

4.2.D. 0801020804.

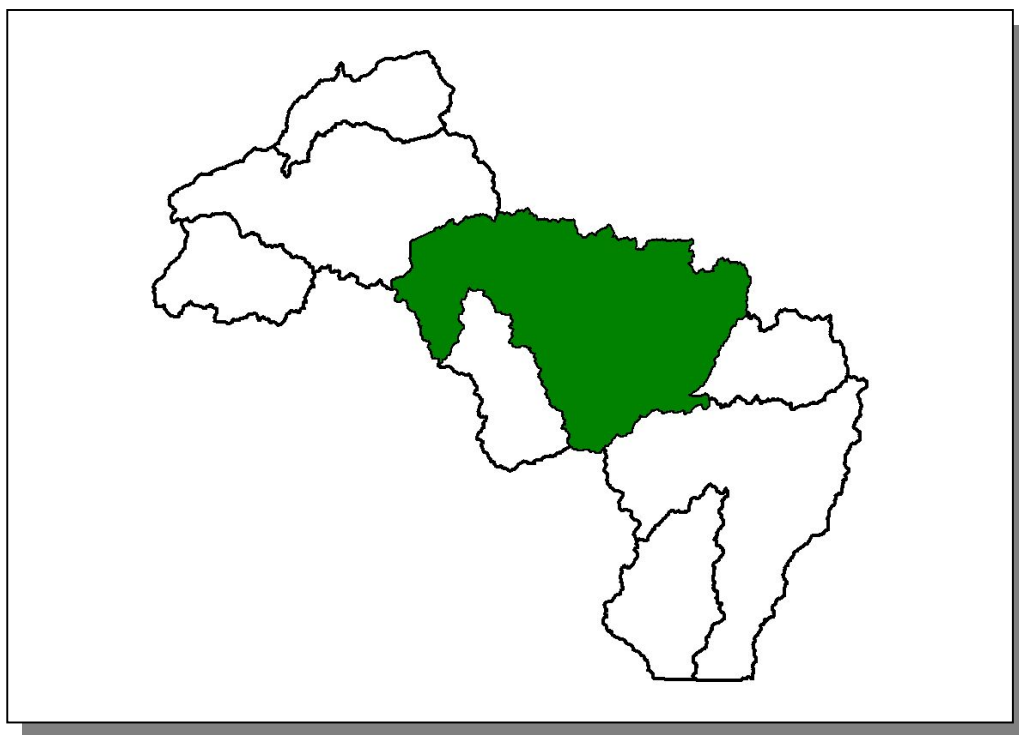


Figure 4-116. Location of Subwatershed 0801020804. Hatchie River HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.D.i. 080102080401 (Hatchie River).

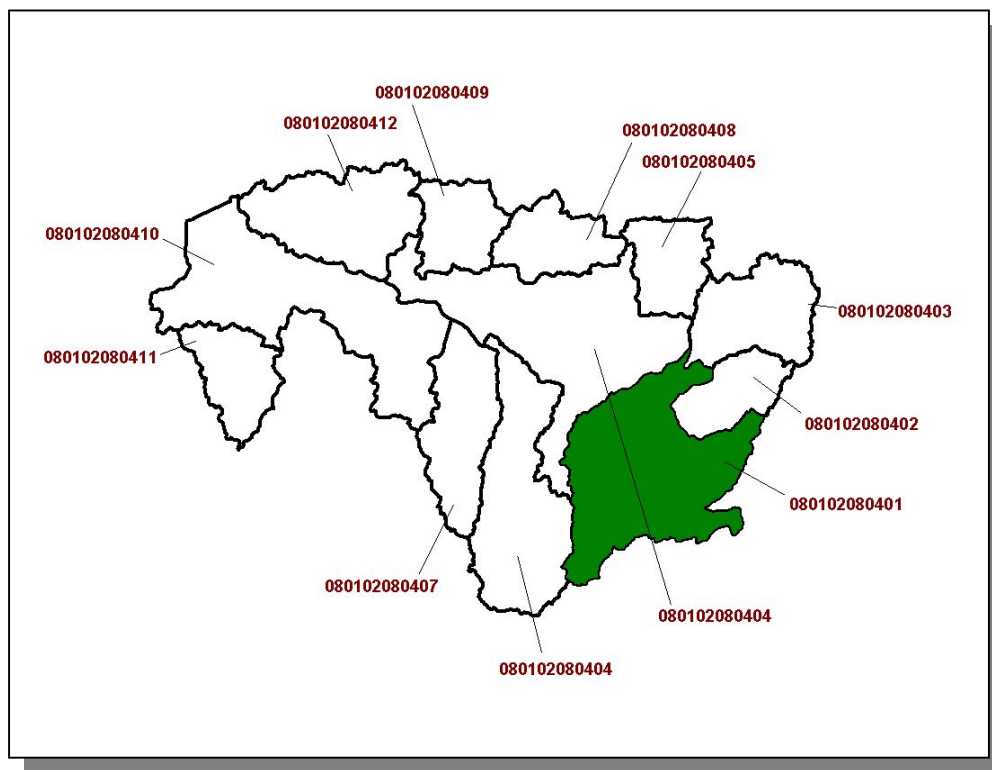


Figure 4-117. Location of Subwatershed 080102080401. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

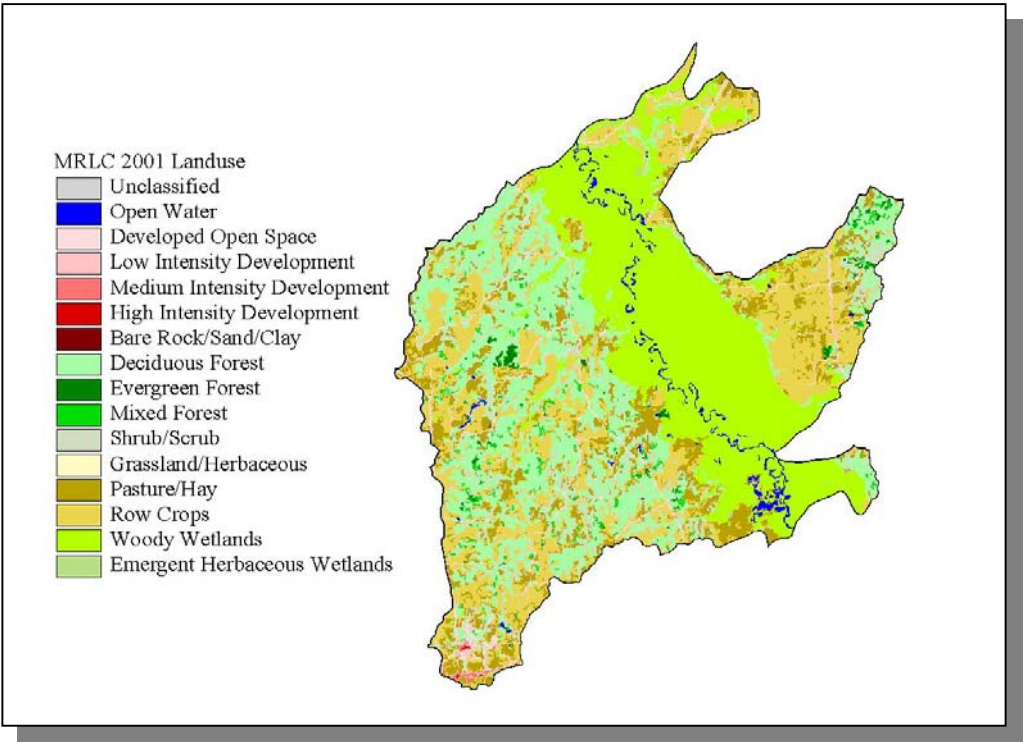


Figure 4-118. Illustration of Land Use Distribution in Subwatershed 080102080401.

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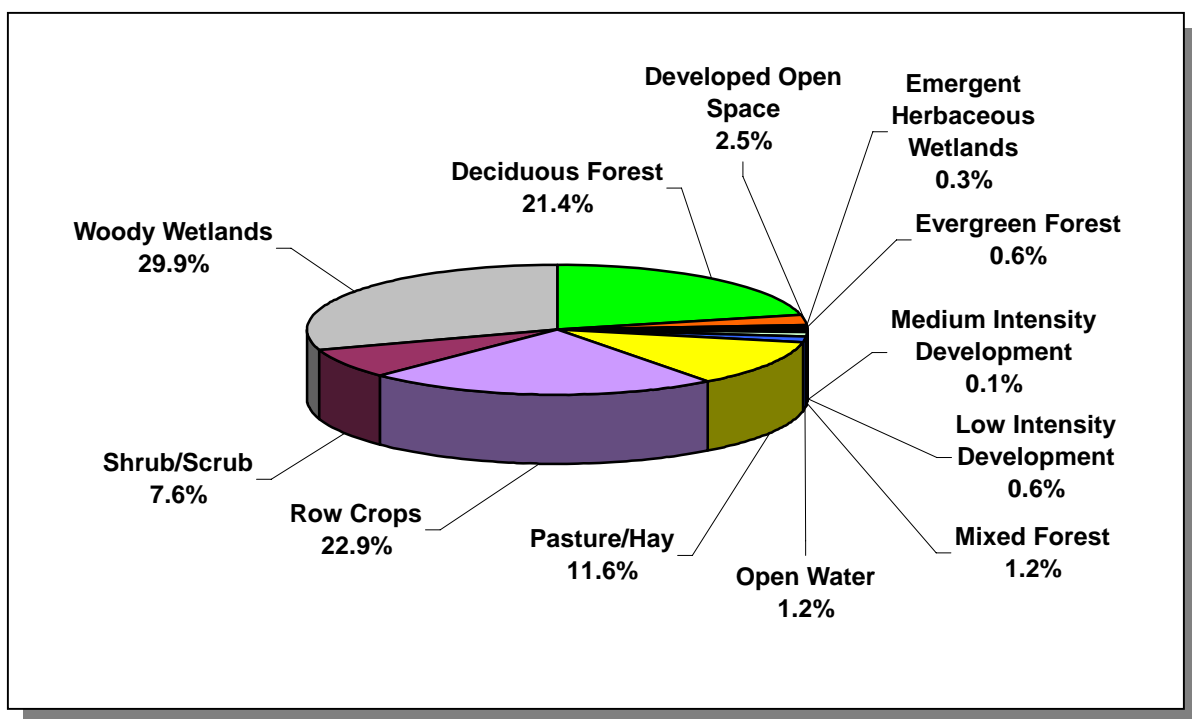


Figure 4-119. Land Use Distribution in Subwatershed 080102080401. More information is provided in Appendix IV.

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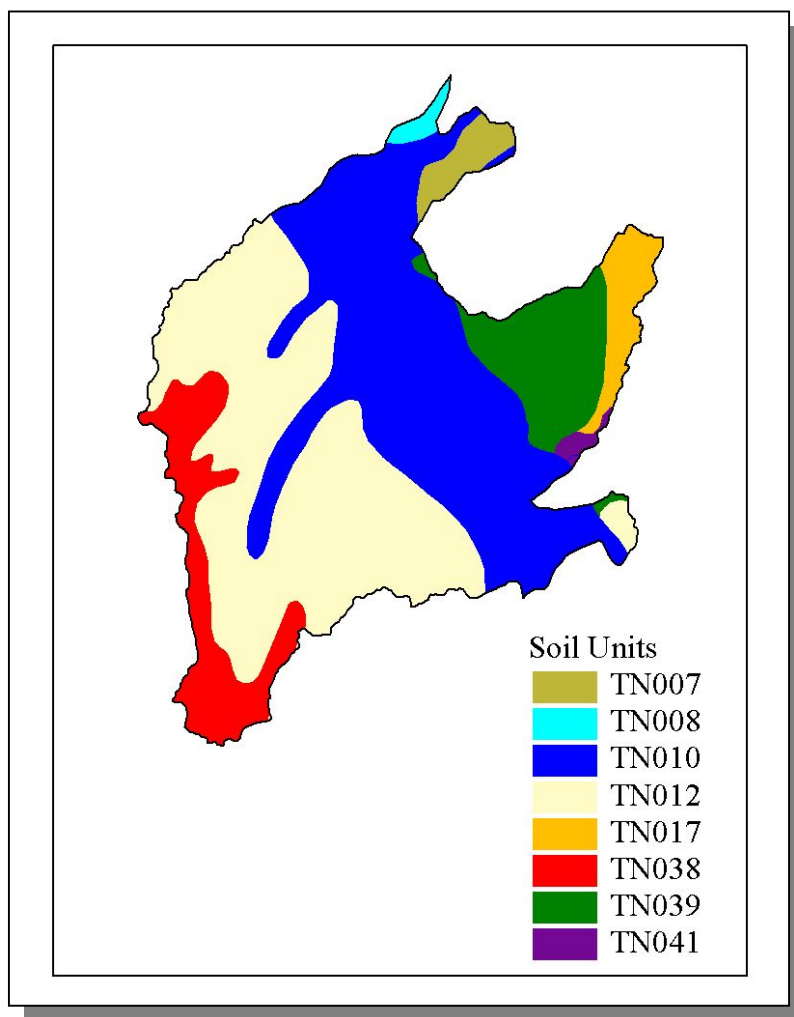


Figure 4-120. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080401.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN017	0.00	B	1.81	5.26	Silty Loam	0.45
TN038	9.00	C	1.65	5.20	Silty Loam	0.46
TN039	24.00	C	1.35	5.20	Silty Loam	0.47
TN041	59.00	C	1.35	4.98	Silty Loam	0.34

Table 4-101. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080401. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	7.52	1,758	1,857	2,113	20.2
Haywood	19,437	19,709	19,797	0.99	193	196	197	2.1
Madison	77,982	84,942	91,837	0.6	466	507	548	17.6
Total	120,796	129,353	139,739		2,417	2,560	2,858	18.2

Table 4-102. Population Estimates in Subwatershed 080102080401.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Whiteville	Hardeman	1,050	444	424	20	0

Table 4-103. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080401.

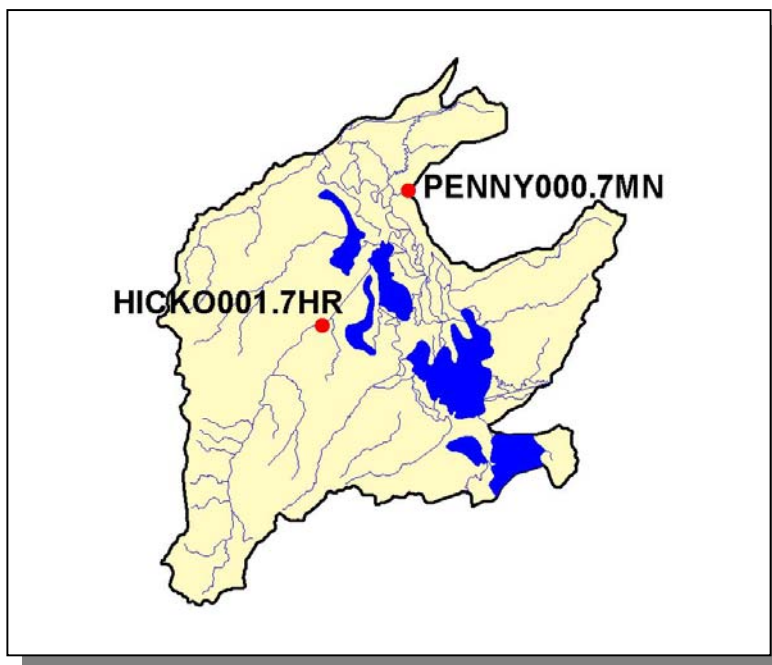


Figure 4-121. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080401. More information, including site names and locations, is provided in Appendix IV.

4.2.D.i.a. Point Source Contributions.

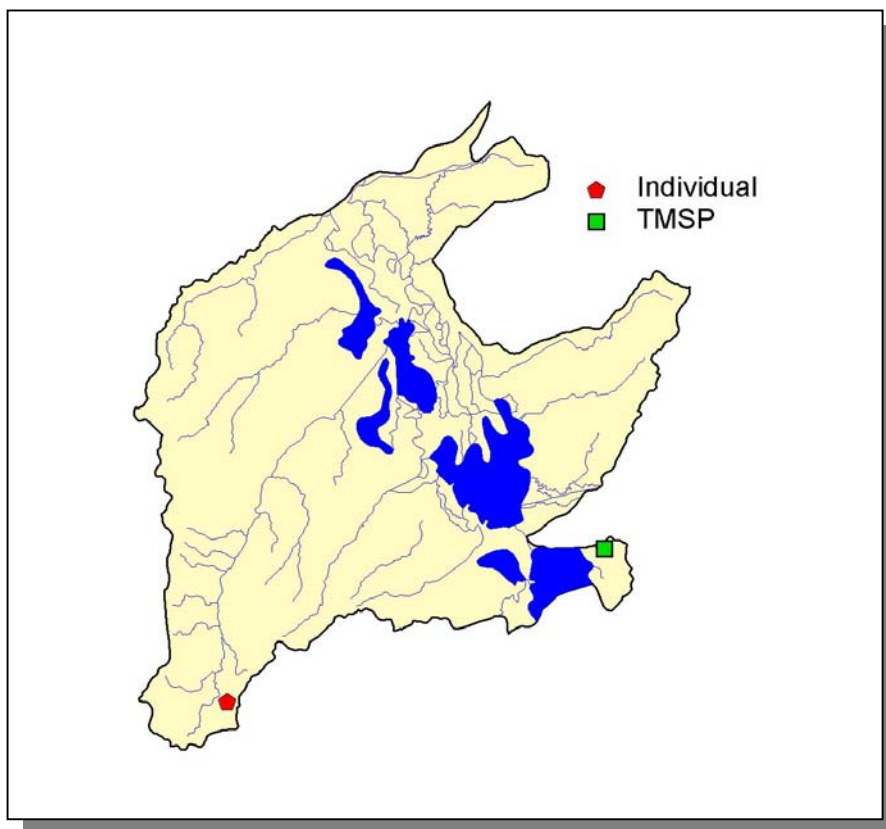


Figure 4-122. Location of Permits Issued in Subwatershed 080102080401. More information, including the names of facilities, is provided in Appendix IV.

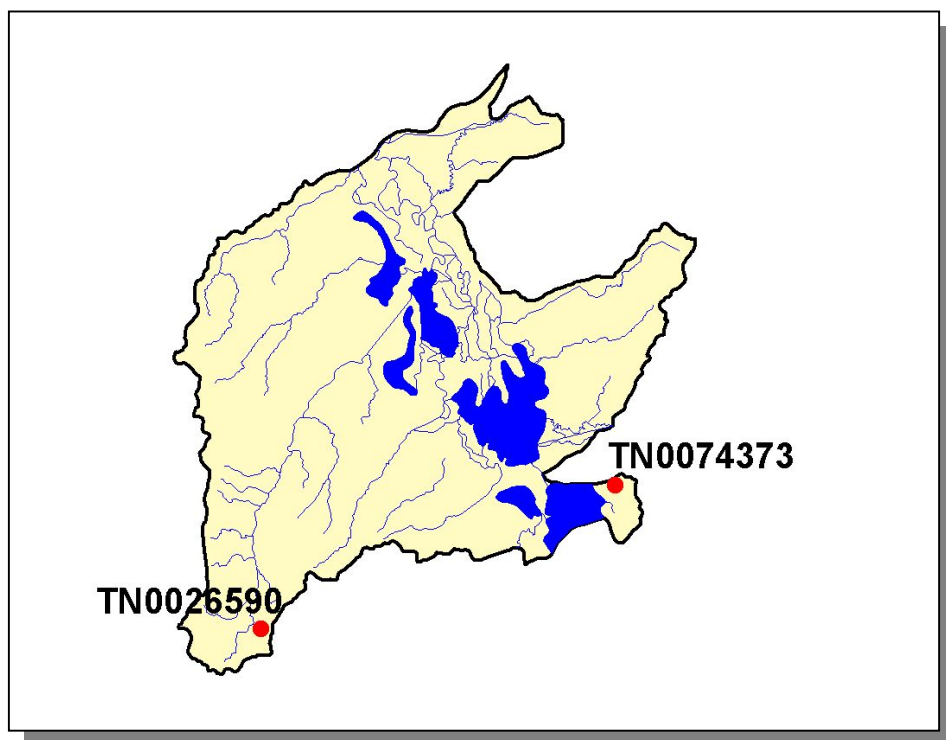


Figure 4-123. Location of Active NPDES Sites in Subwatershed 080102080401. More information, including the names of facilities, is provided in Appendix IV.

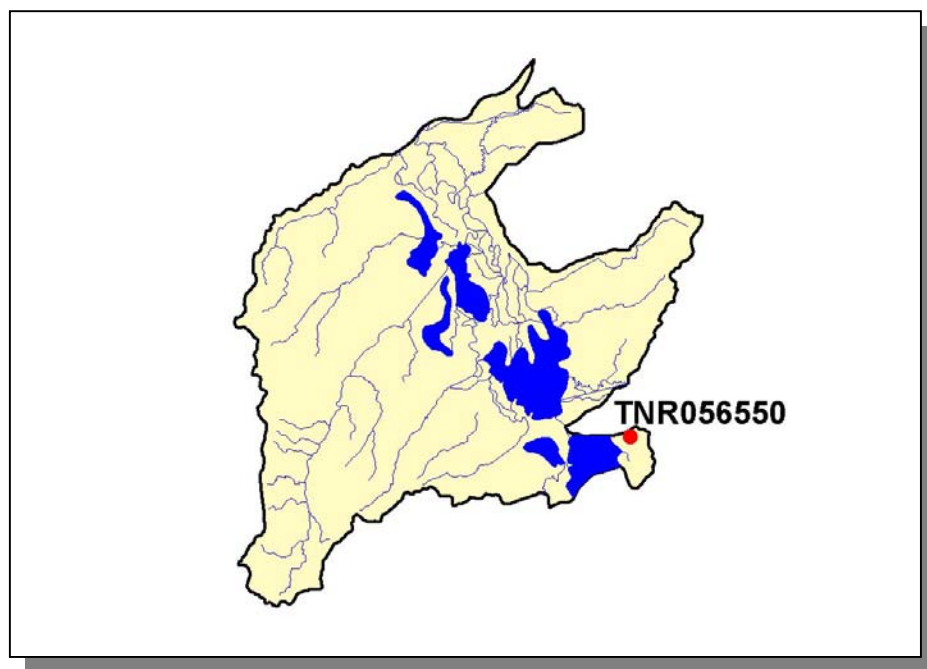


Figure 4-124. Location of TMSP Sites in Subwatershed 080102080401. More information, including the names of facilities, is provided in Appendix IV.

4.2.D.i.a.i. Dischargers to Water Bodies Listed on the 2004 303(d) List

There is one NPDES facility discharging to water bodies listed on the 2004 303(d) list in Subwatershed 080102080401:

- TN0026590 (Whiteville STP) discharges to Hickory Creek @ RM 7.7

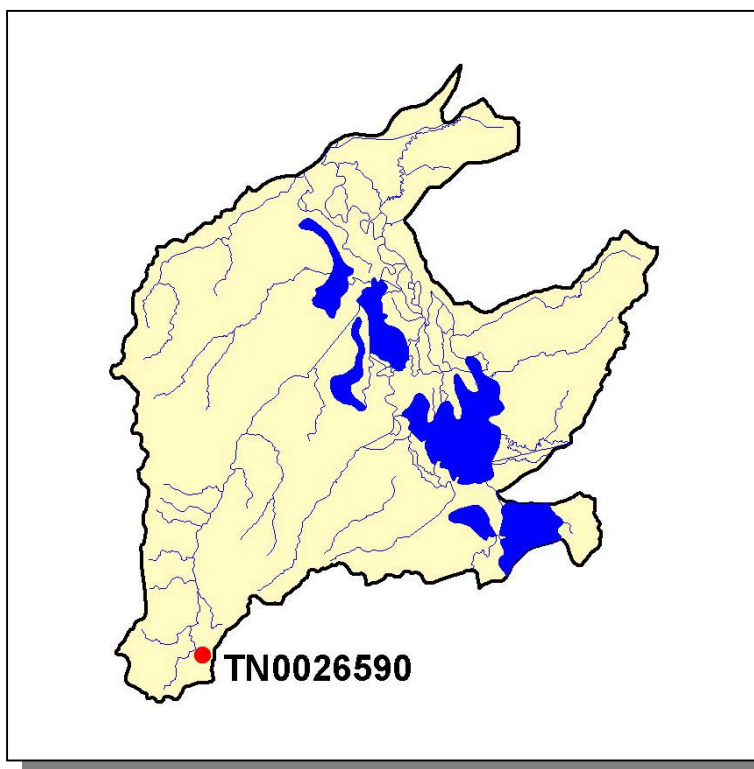


Figure 4-125. Location of NPDES Dischargers to Water Bodies Listed on the 2004 303(d) List in Subwatershed 080102080401. More information, including the names of facilities, is provided in Appendix IV.

PERMIT #	1Q10	3Q10	7Q10	3Q20	QDESIGN
TN0026590			1.2		

Table 4-104. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 080102080401. Data are in million gallons per day (MGD). Data were obtained from the USGS publication Flow Duration and Low Flows of Tennessee Streams Through 1992 or from permit files.

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PERMIT #	NO ₃	Zn	Cu	Ni	Mo	As	Se	Flow
TN0026590	X	X	X	X	X	X	X	X

Table 4-105. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 080102080401.

PERMIT #	WET	CBOD ₅	NH ₃	TRC	TSS	SETTLEABLE SOLIDS	DO	pH	Pb	Hg	Cd
TN0026590	X	X	X	X	X	X	X	X	X	X	X

Table 4-106. Inorganic Parameters Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 080102080401.

WET, Whole Effluent Toxicity; CBOD₅, Carbonaceous Biochemical Oxygen Demand (5-Day); TRC, Total Residual Chlorine; TSS, Total Suspended Solids.

PERMIT #	<i>E. coli</i>	FECAL COLIFORM
TN0026590	X	X

Table 4-107. Bacteria Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 080102080401.

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4.2.D.i.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
978	1,810	7	<5	653	15

Table 4-108. Summary of Livestock Count Estimates in Subwatershed 080102080401. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), “Cattle” includes heifers, heifer calves, steers, bulls and bull calves; “Chickens” are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144
Haywood	3,442	6,220	29	237	1,740	12
Madison	0	12,437	0	476	10,210	0

Table 4-109. Summary of Livestock Count Estimates in Hardeman, Haywood, and Madison Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), “Cattle” includes heifers, heifer calves, steers, bulls and bull calves; “Chickens” are layers 20 weeks and older.

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County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	18.6
Haywood	71.2	71.2	1.7	6.4
Madison	140.7	140.7	2.4	11.5

Table 4-110. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman, Haywood, and Madison Counties.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.13
Grass (Hayland)	0.72
Grass, Forbs, Legumes (Mixed Pasture)	1.12
Corn (Row Crops)	11.24
Cotton (Row Crops)	23.84
Sorghum (Row Crops)	3.14
Soybeans (Row Crops)	12.12
Wheat (Close-Grown Cropland)	14.31
Fruit (Horticultural)	0.76
All Other Close-Grown Cropland	2.08
Summer Fallow (Other Cropland)	6.11
Other Vegetable and Truck Crops	5.58
Other Cropland not Planted	3.81
Conservation Reserve Program Lands	0.34
Other Land in Farms	1.13
Farmsteads and Ranch Headquarters	0.90

Table 4-111. Annual Estimated Total Soil Loss in Subwatershed 080102080401.

4.2.D.ii. 080102080402 (Muddy Creek).

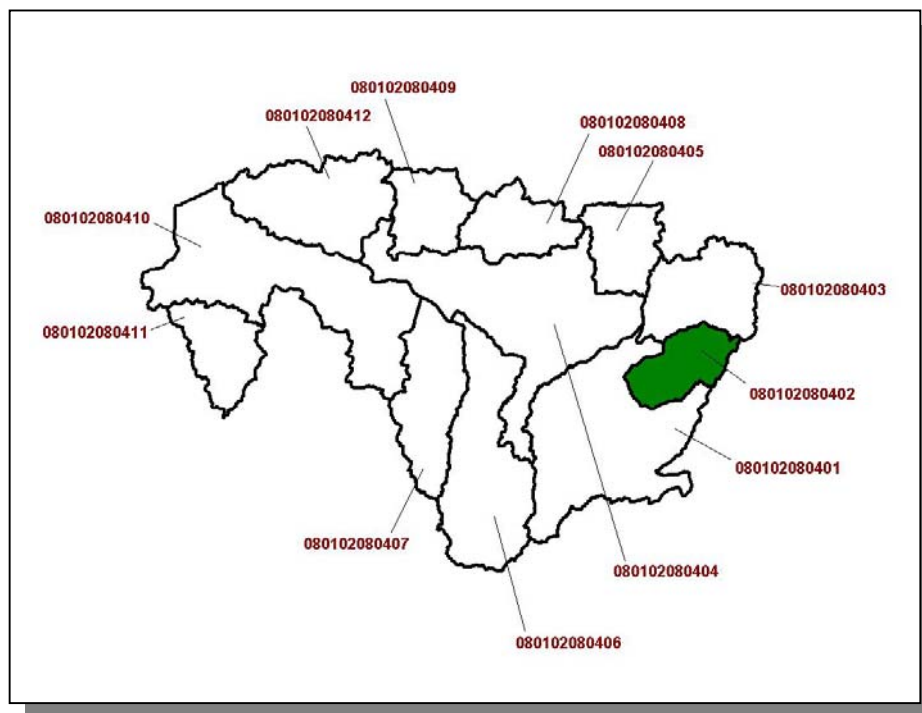


Figure 4-126. Location of Subwatershed 080102080402. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

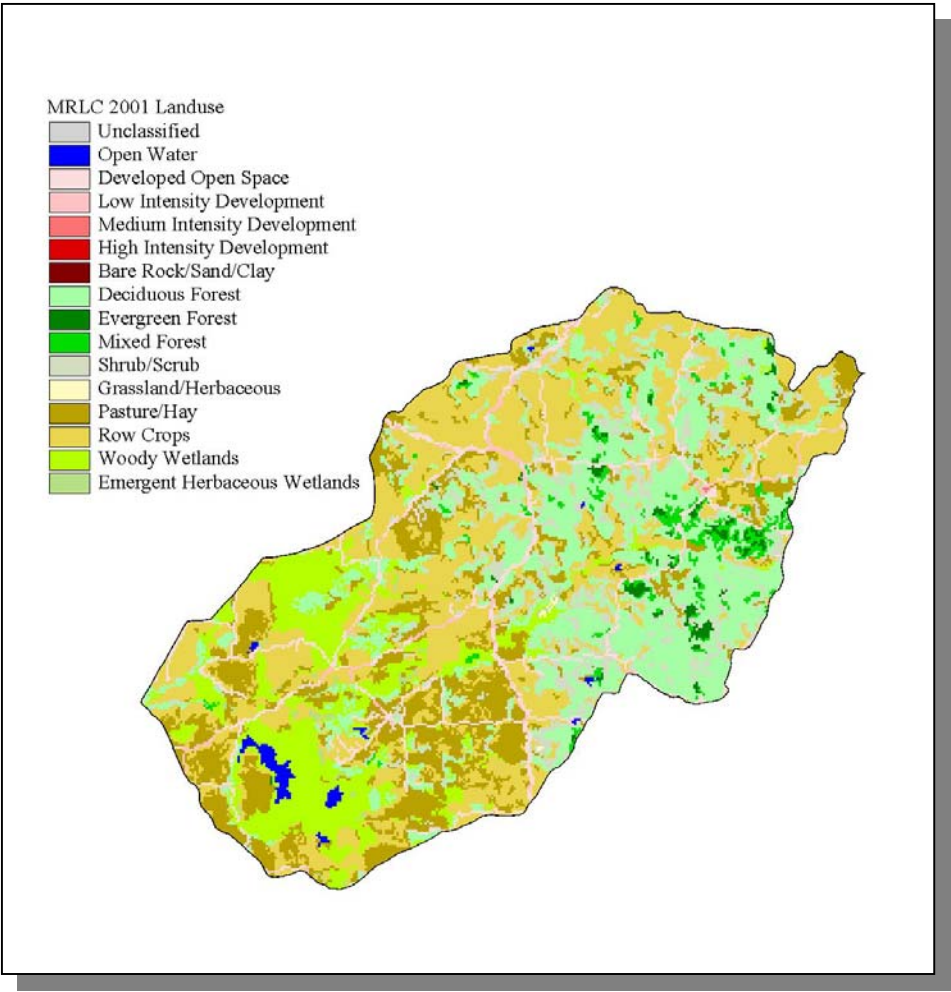


Figure 4-127. Illustration of Land Use Distribution in Subwatershed 080102080402.

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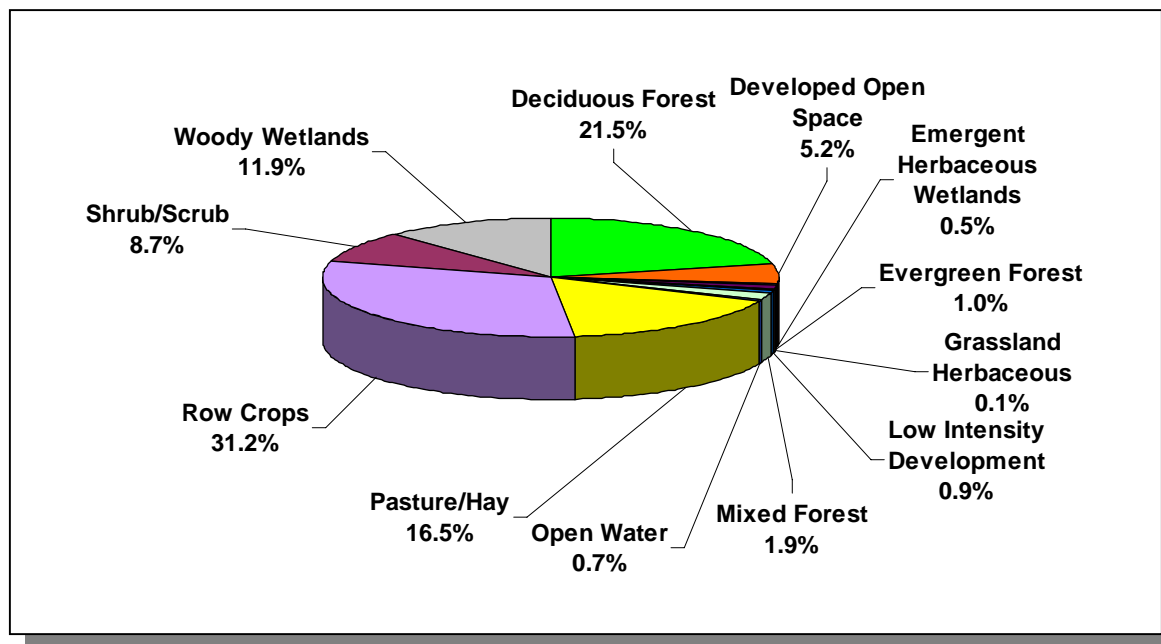


Figure 4-128. Land Use Distribution in Subwatershed 080102080402. More information is provided in Appendix IV.

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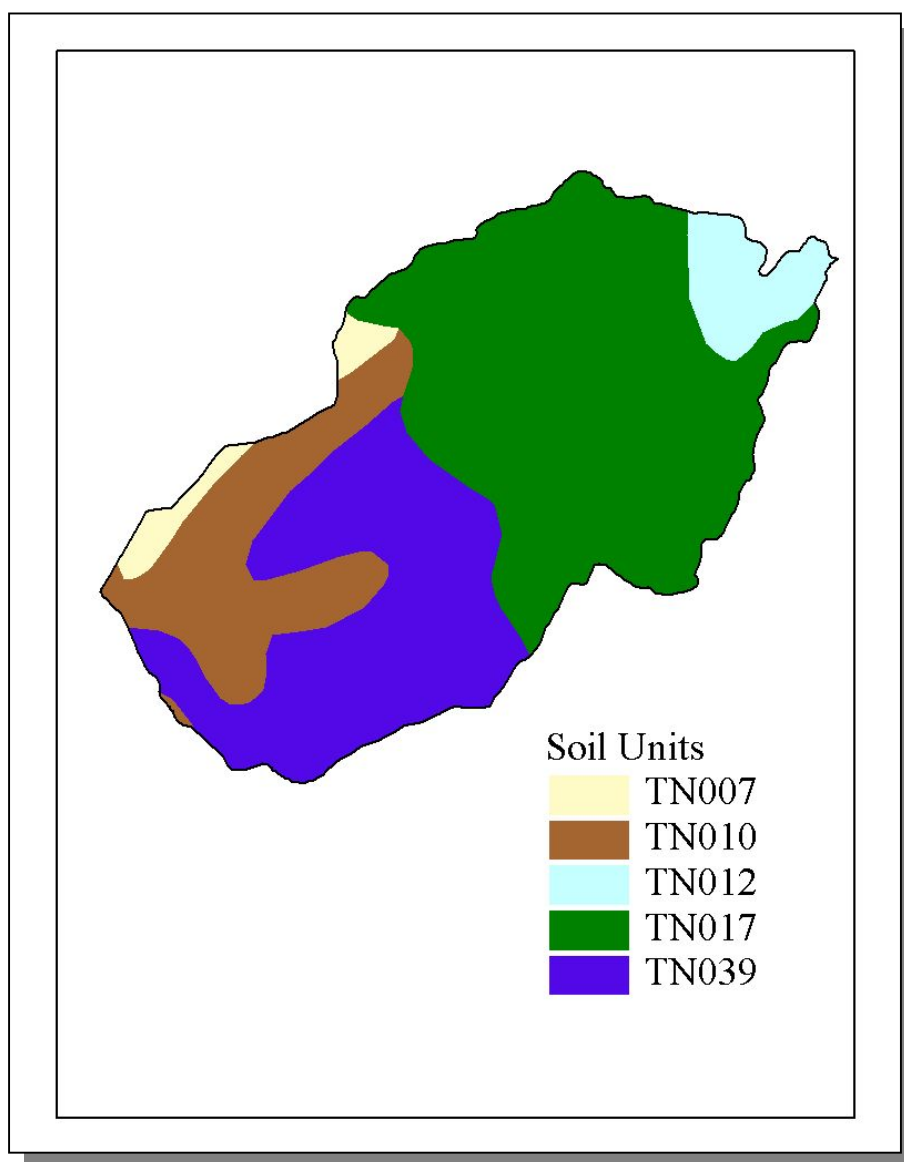


Figure 4-129. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080402.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN017	0.00	B	1.81	5.26	Silty Loam	0.45
TN039	24.00	C	1.35	5.20	Silty Loam	0.47

Table 4-112. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080402. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	0.3	71	75	85	19.7
Madison	77,982	84,942	91,837	2.36	1,842	2,007	2,170	17.8
Total	101,359	109,644	119,942		1,913	2,082	2,255	17.9

Table 4-113. Population Estimates in Subwatershed 080102080402.

4.2.D.ii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

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4.2.D.ii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS				
Beef Cow	Cattle	Chickens (Layers)	Hogs	Sheep
52	407	0	290	<5

Table 4-114. Summary of Livestock Count Estimates in Subwatershed 080102080402.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144
Madison	0	12,437	0	476	12,210	0

Table 4-115. Summary of Livestock Count Estimates in Hardeman and Madison Counties.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	18.6
Madison	140.7	140.7	2.4	11.5

Table 4-116. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman and Madison Counties.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.52
Grass (Hayland)	0.88
Grass, Forbs, Legumes (Mixed Pasture)	3.04
Corn (Row Crops)	14.36
Cotton (Row Crops)	14.66
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	9.21
Wheat (Close-Grown Cropland)	5.05
All Other Close-Grown Cropland	0.47
Other Vegetable and Truck Crops	7.81
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	2.50
Conservation Reserve Program Lands	0.44
Other Land in Farms	0.08
Farmsteads and Ranch Headquarters	0.52

Table 4-117. Annual Estimated Total Soil Loss in Subwatershed 080102080402.

4.2.D.iii. 080102080403 (Big Black Creek).

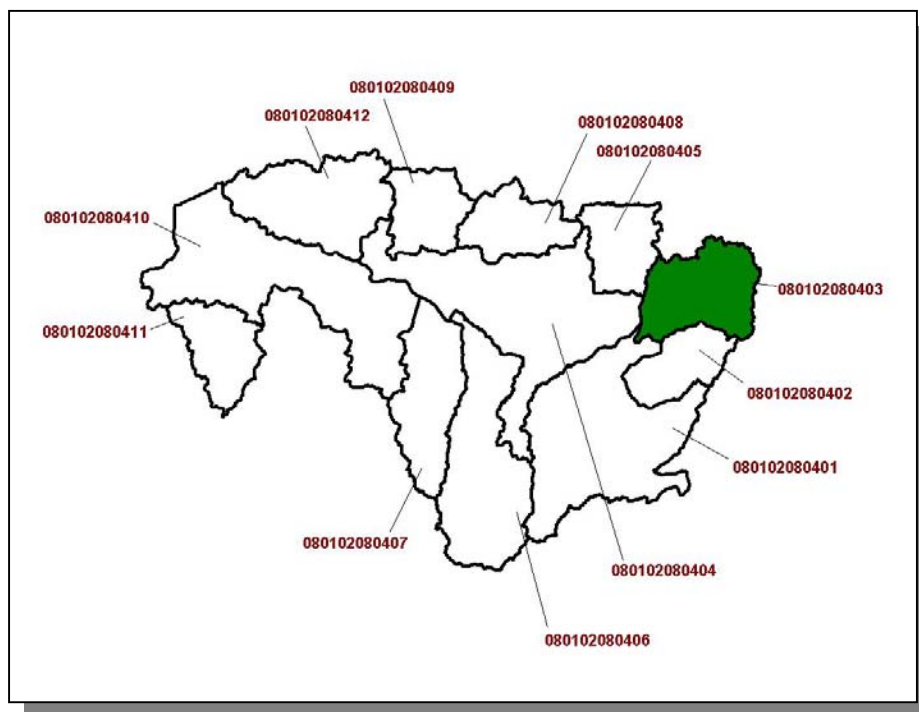


Figure 4-130. Location of Subwatershed 080102080403. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

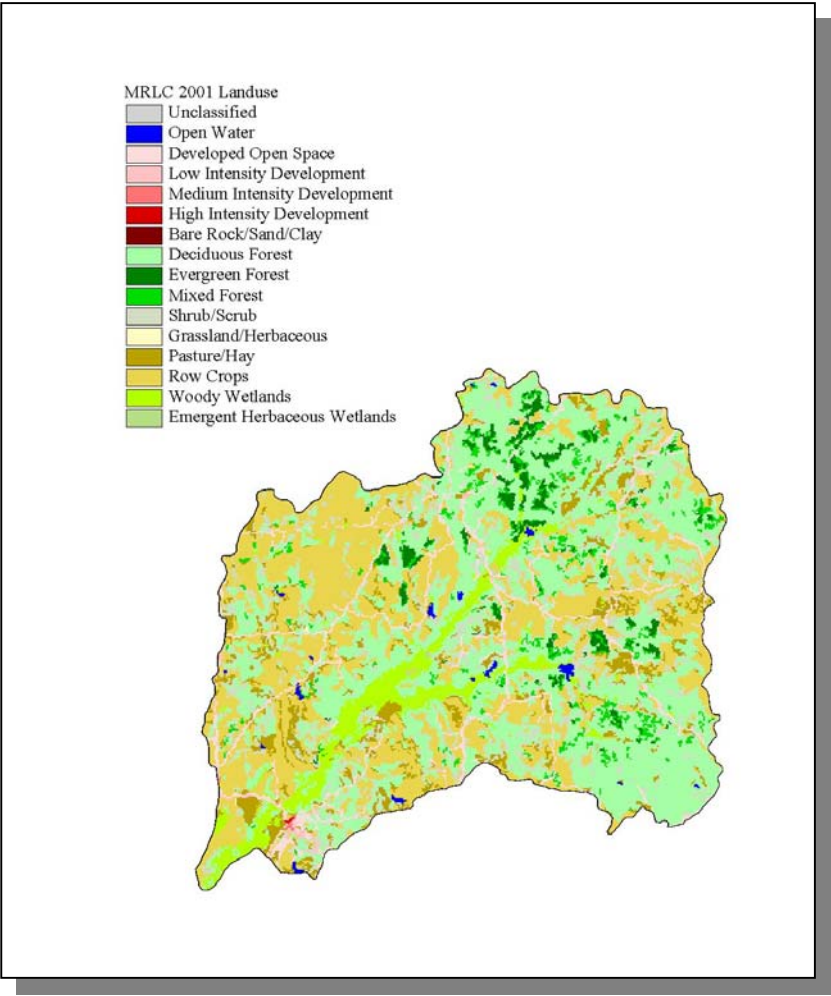


Figure 4-131. Illustration of Land Use Distribution in Subwatershed 080102080403.

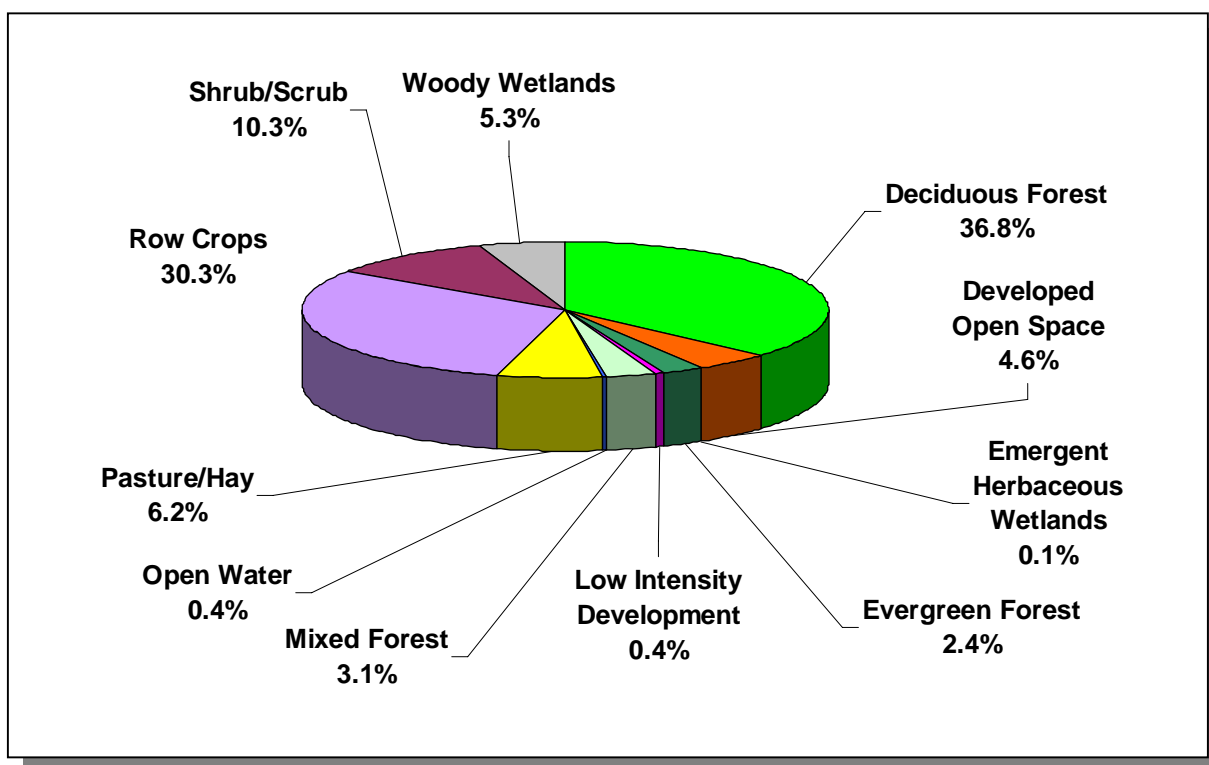


Figure 4-132. Land Use Distribution in Subwatershed 080102080403. More information is provided in Appendix IV.

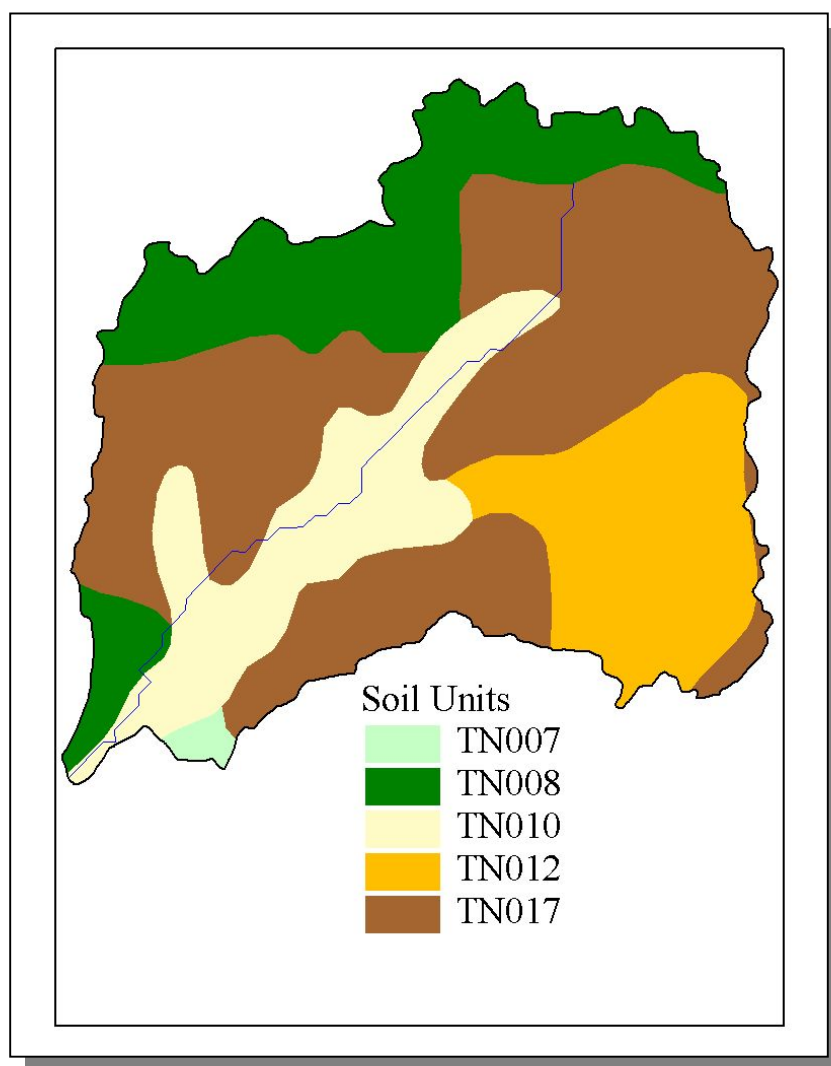


Figure 4-133. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080403.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN017	0.00	B	1.81	5.26	Silty Loam	0.45

Table 4-118. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080403. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Madison	77,982	84,942	91,837	4.5	3,512	3,825	4,136	17.8

Table 4-119. Population Estimates in Subwatershed 080102080403.



Figure 4-134. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080403. More information, including site names and locations, is provided in Appendix IV.

4.2.D.iii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.D.iii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS	
Cattle	Hogs
337	277

Table 4-120. Summary of Livestock Count Estimates in Subwatershed 080102080403. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

LIVESTOCK COUNTS			
County	Cattle	Chickens (Layers)	Hogs
Madison	12,437	476	10,210

Table 4-121. Summary of Livestock Count Estimates in Madison County. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Madison	140.7	140.7	2.4	11.5

Table 4-122. Forest Acreage and Annual Removal Rates (1987-1994) in Madison County.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.41
Grass (Hayland)	0.95
Grass, Forbs, Legumes (Mixed Pasture)	3.34
Corn (Row Crops)	14.81
Cotton (Row Crops)	12.97
Soybeans (Row Crops)	8.65
Wheat (Close-Grown Cropland)	3.53
All Other Close-Grown Cropland	0.47
Other Vegetable and Truck Crops	7.81
Other Cropland not Planted	2.23
Conservation Reserve Program Lands	0.47
Other Land in Farms	0.08
Farmsteads and Ranch Headquarters	0.46

Table 4-123. Annual Estimated Total Soil Loss in Subwatershed 080102080403.

4.2.D.iv. 080102080404 (Hatchie River).

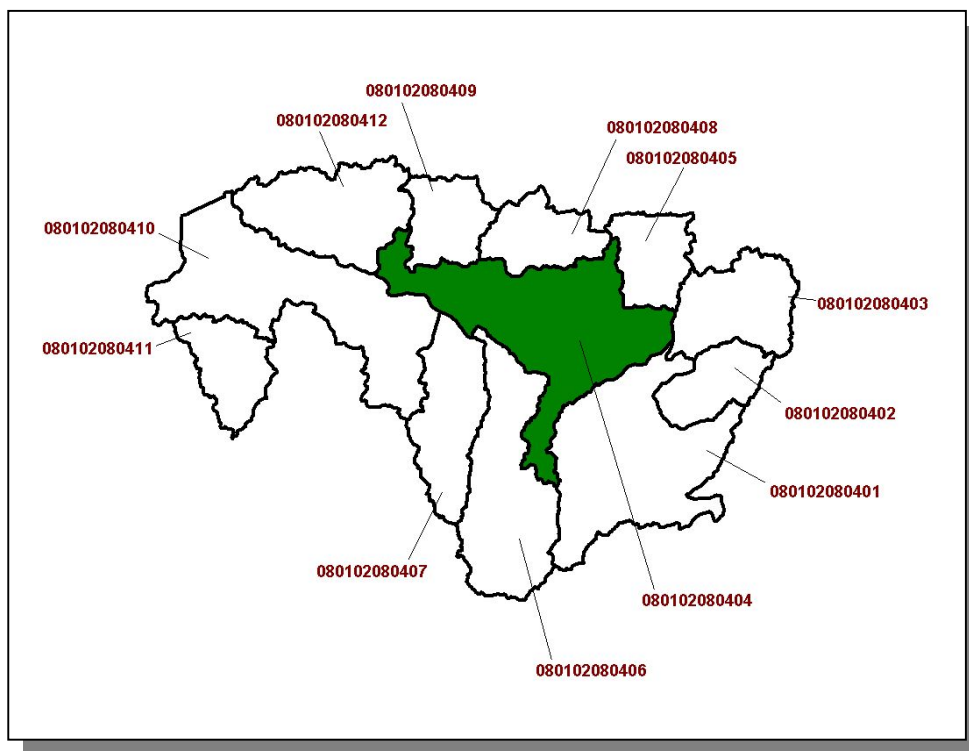


Figure 4-135. Location of Subwatershed 080102080404. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

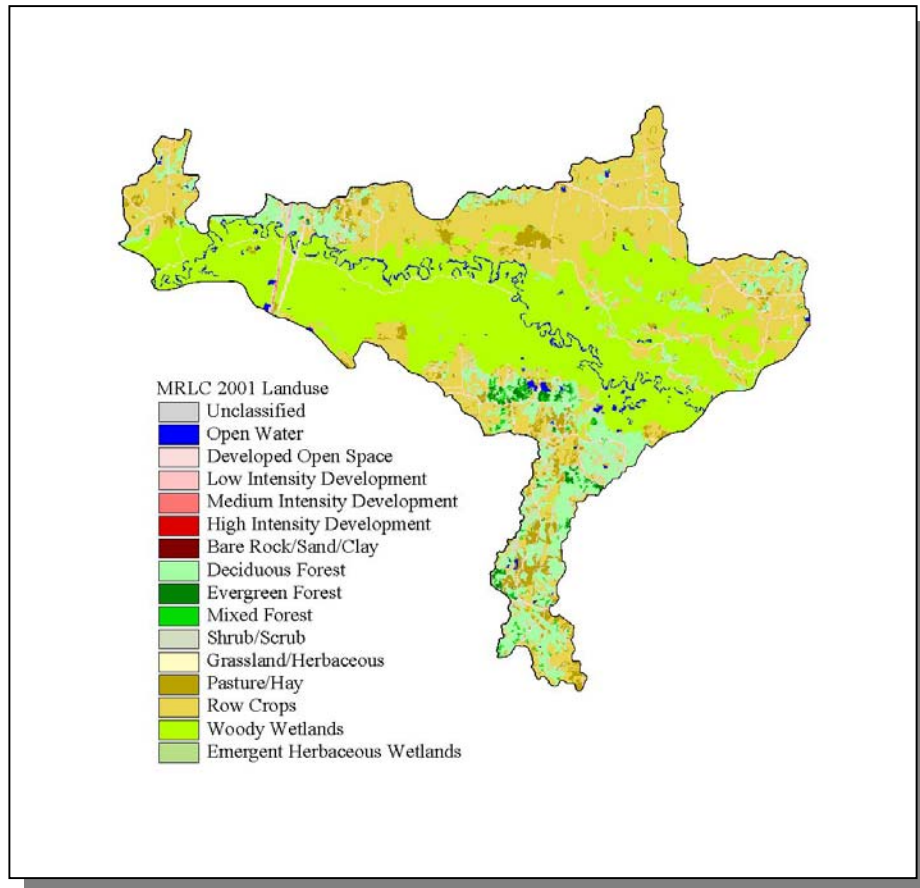


Figure 4-136. Illustration of Land Use Distribution in Subwatershed 080102080404.

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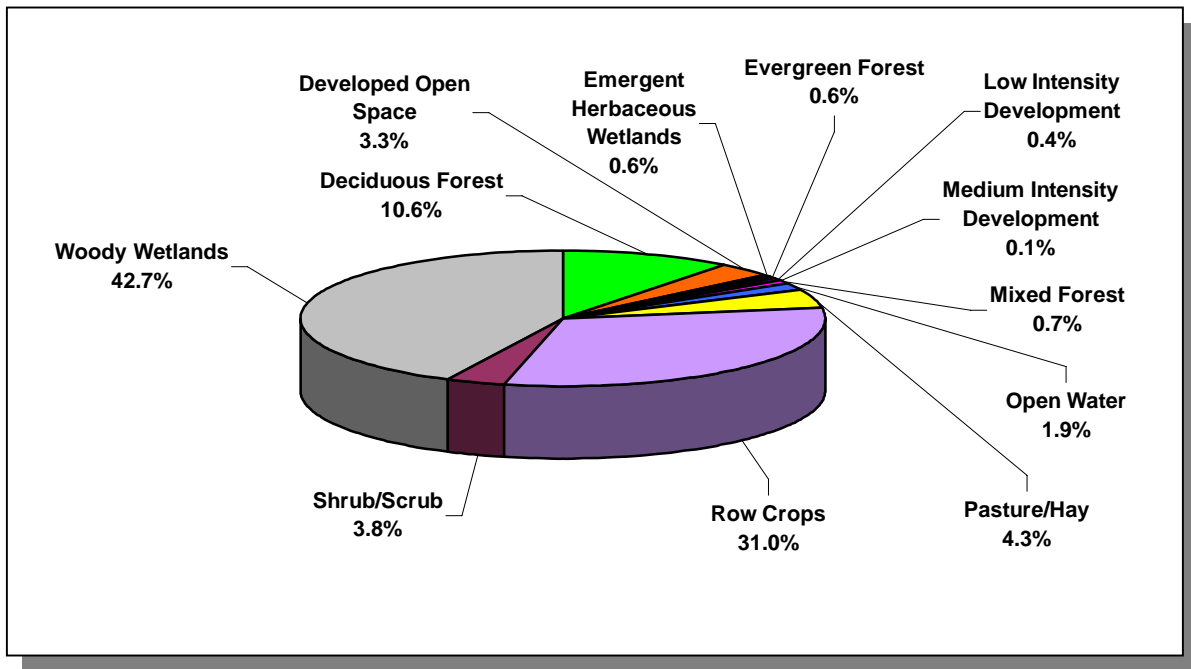


Figure 4-137. Land Use Distribution in Subwatershed 080102080404. More information is provided in Appendix IV.

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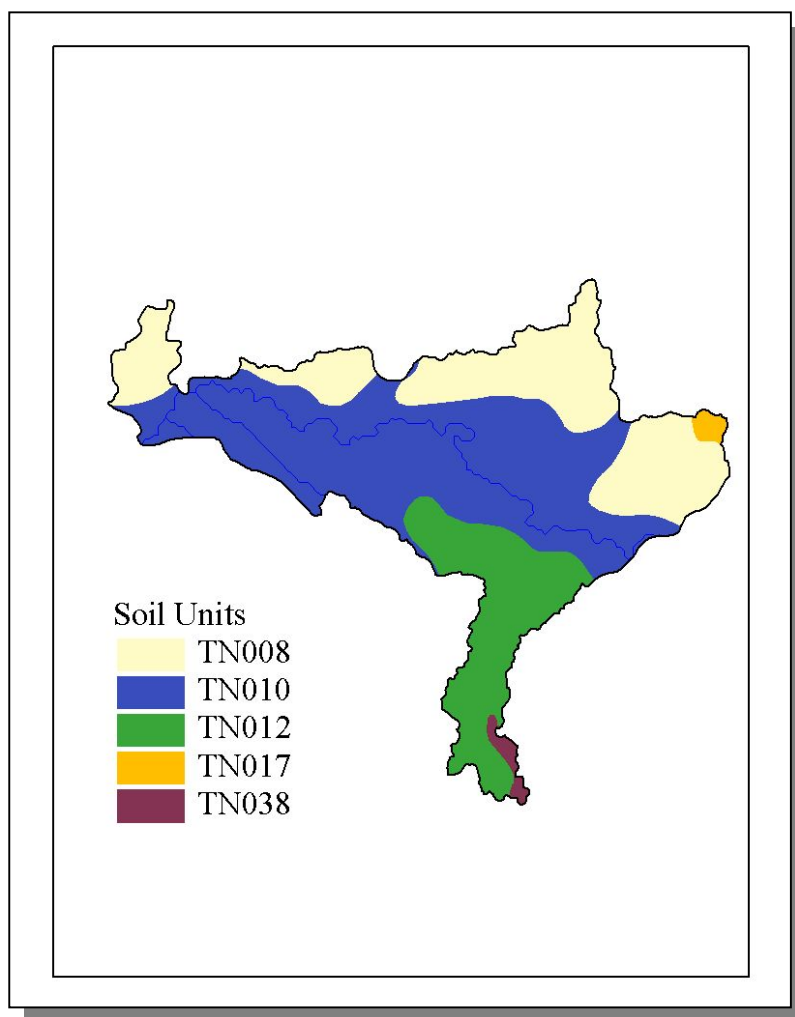


Figure 4-138. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080404.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN017	0.00	B	1.81	5.26	Silty Loam	0.45
TN038	9.00	C	1.65	5.20	Silty Loam	0.46

Table 4-124. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080404. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	0.75	176	186	212	20.5
Haywood	19,437	19,709	19,797	10.59	2,058	2,087	2,096	1.8
Madison	77,982	84,942	91,837	0.36	278	303	327	17.6
Total	120,796	129,353	139,739		2,512	2,576	2,631	4.9

Table 4-125. Population Estimates in Subwatershed 080102080404.

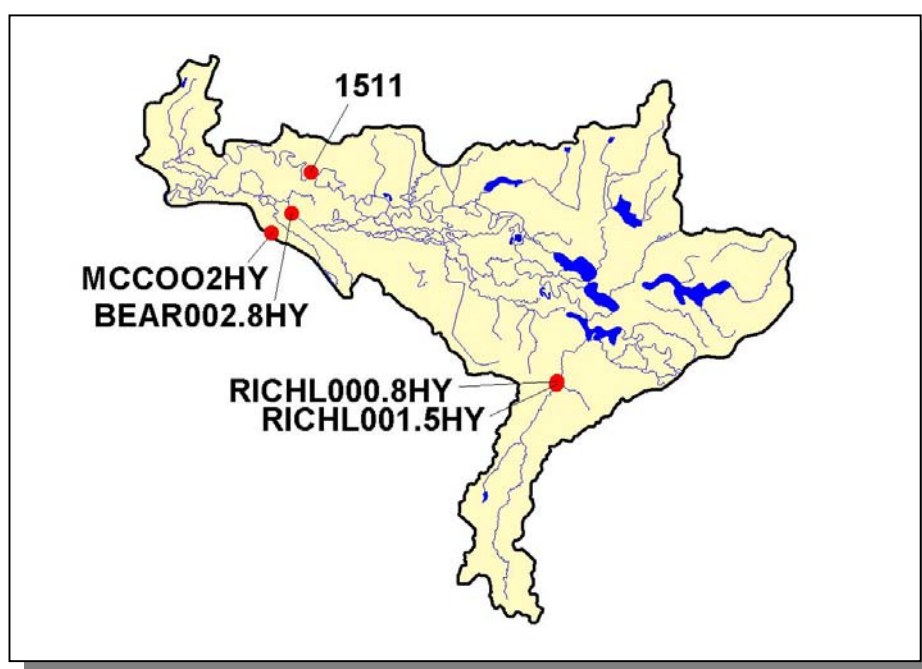


Figure 4-139. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080404. More information, including site names and locations, is provided in Appendix IV.

4.2.D.iv.a. Point Source Contributions.

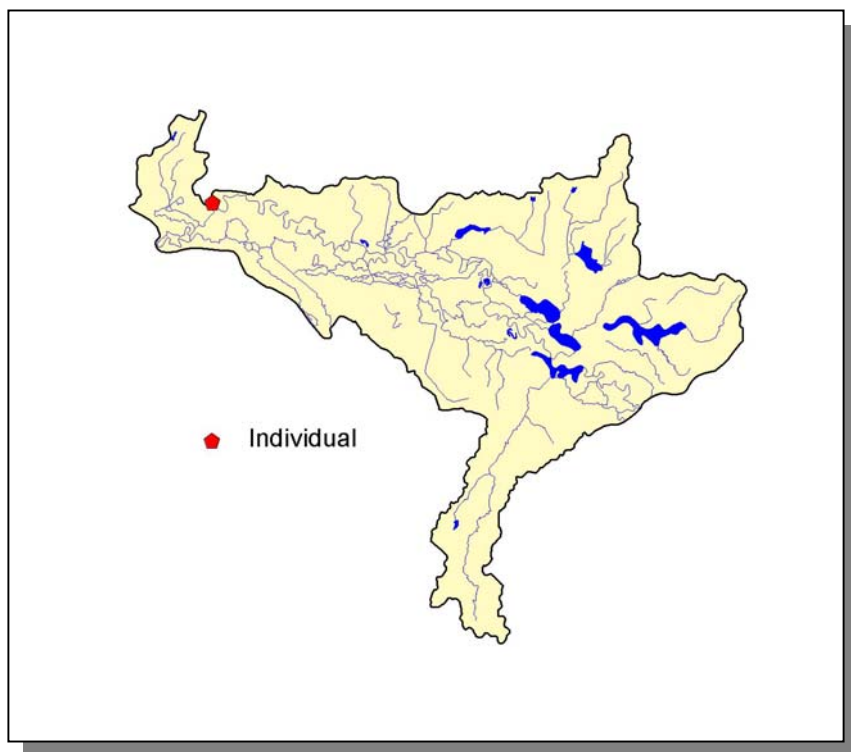


Figure 4-140. Location of Permits Issued in Subwatershed 080102080404. More information, including the names of facilities, is provided in Appendix IV.

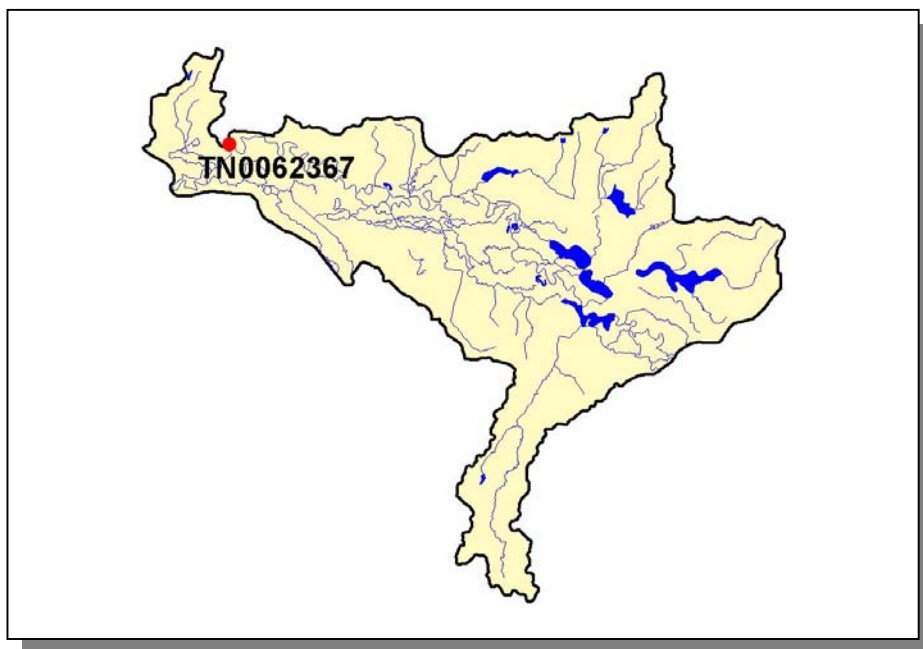


Figure 4-141. Location of Active NPDES Sites in Subwatershed 080102080404. More information, including the names of facilities, is provided in Appendix IV.

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4.2.D.iv.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
356	671	<5	<5	215	<5

Table 4-126. Summary of Livestock Count Estimates in Subwatershed 080102080404. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Fayette	13,421	25,437	965	15	25,667	124
Hardeman	9,184	15,877	62	28	5,221	144
Haywood	3,442	6,220	29	237	1,740	12
Madison	0	12,437	0	476	10,210	0

Table 4-127. Summary of Livestock Count Estimates in Fayette, Hardeman, Haywood, and Madison Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Fayette	152.0	152.0	1.1	3.3
Hardeman	247.1	247.1	5.0	18.6
Haywood	71.2	71.2	1.7	6.4
Madison	140.7	140.7	2.4	11.5

Table 4-128. Forest Acreage and Annual Removal Rates (1987-1994) in Fayette, Hardeman, Haywood, and Madison Counties.

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CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.73
Grass (Hayland)	3.35
Legumes, Grass (Hayland)	0.22
Legumes (Hayland)	0.16
Grass, Forbs, Legumes (Mixed Pasture)	0.45
Corn (Row Crops)	8.01
Cotton (Row Crops)	13.54
Sorghum (Row Crops)	3.94
Soybeans (Row Crops)	7.60
Wheat (Close-Grown Cropland)	11.73
All Other Close-Grown Cropland	2.99
Fruit (Horticultural)	0.76
Other Vegetable and Truck Crops	4.32
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	1.16
Conservation Reserve Program Lands	0.85
Other Land in Farms	0.16
Farmsteads and Ranch Headquarters	0.63

Table 4-129. Annual Estimated Total Soil Loss in Subwatershed 080102080404.

4.2.D.v. 080102080405 (Jeffers Creek).

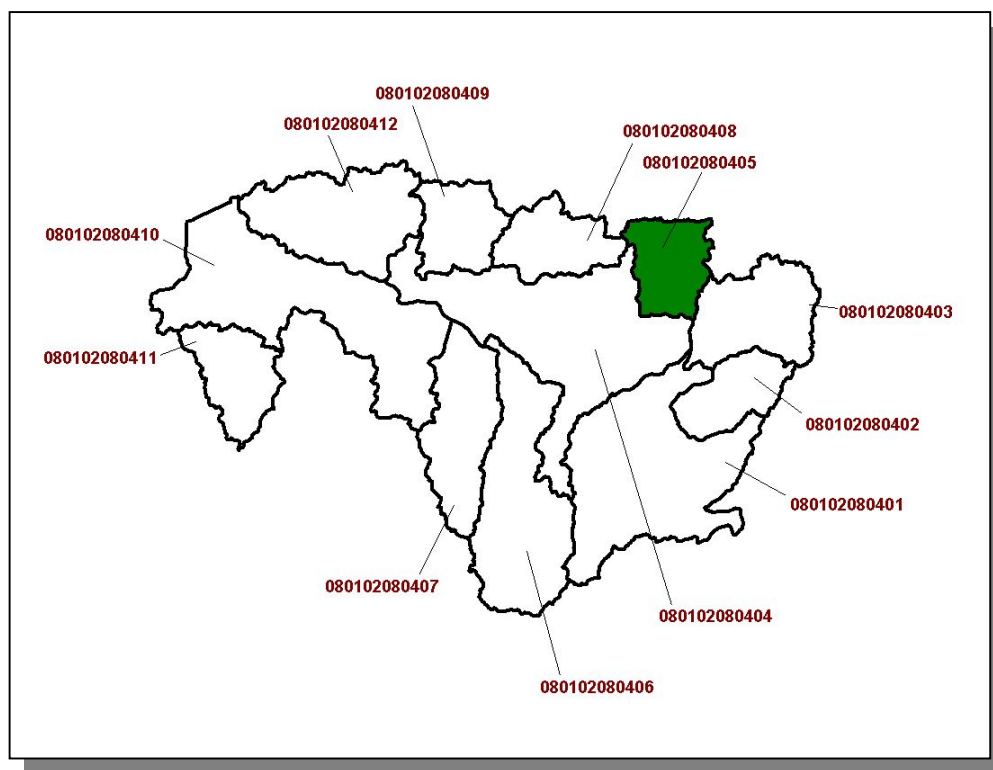


Figure 4-142. Location of Subwatershed 080102080405. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

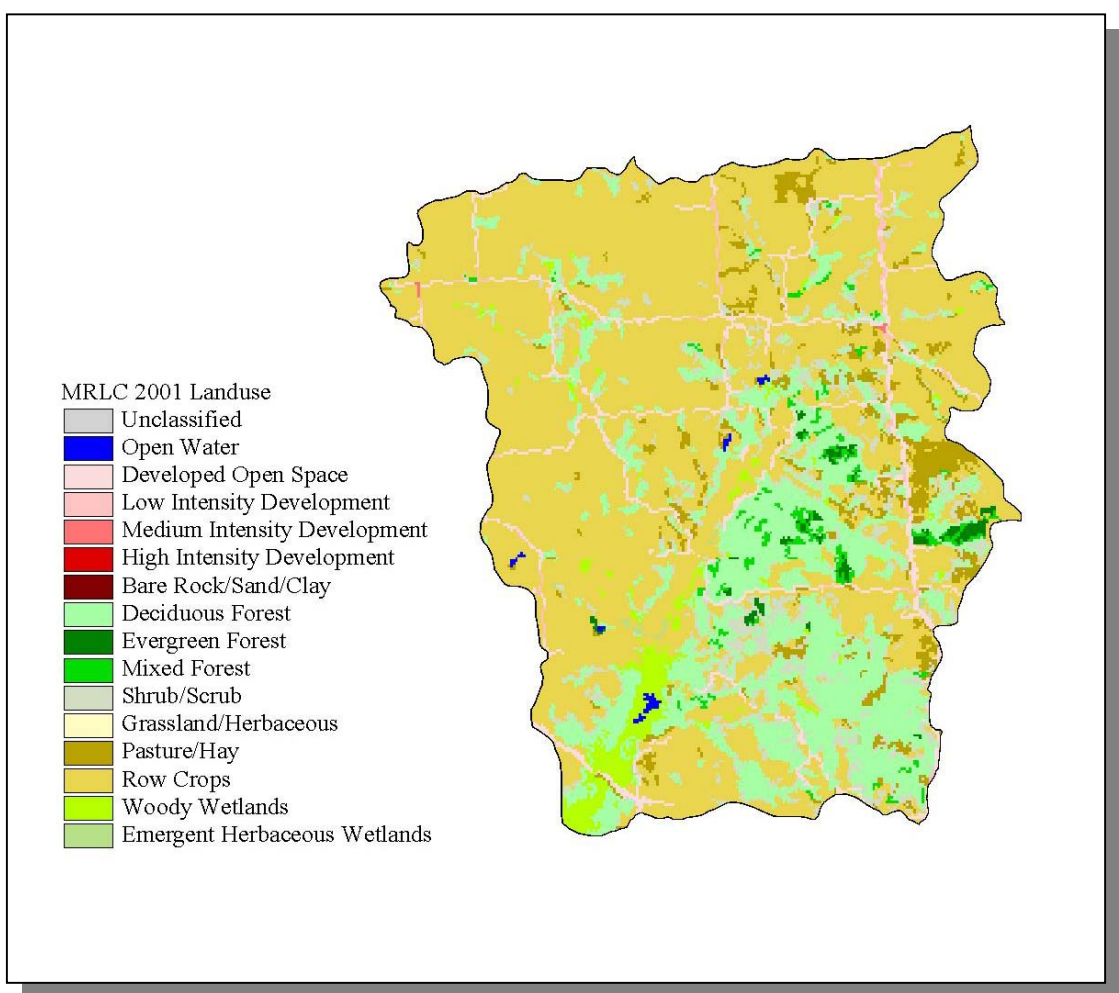


Figure 4-143. Illustration of Land Use Distribution in Subwatershed 080102080405.

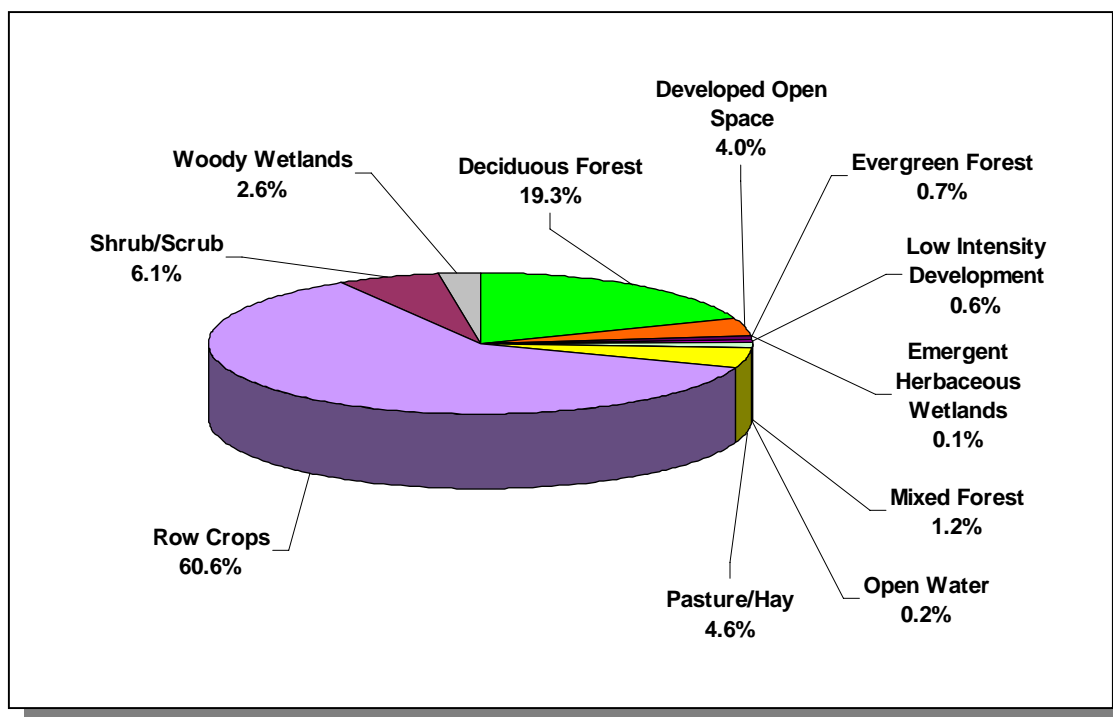


Figure 4-144. Land Use Distribution in Subwatershed 080102080405. More information is provided in Appendix IV.

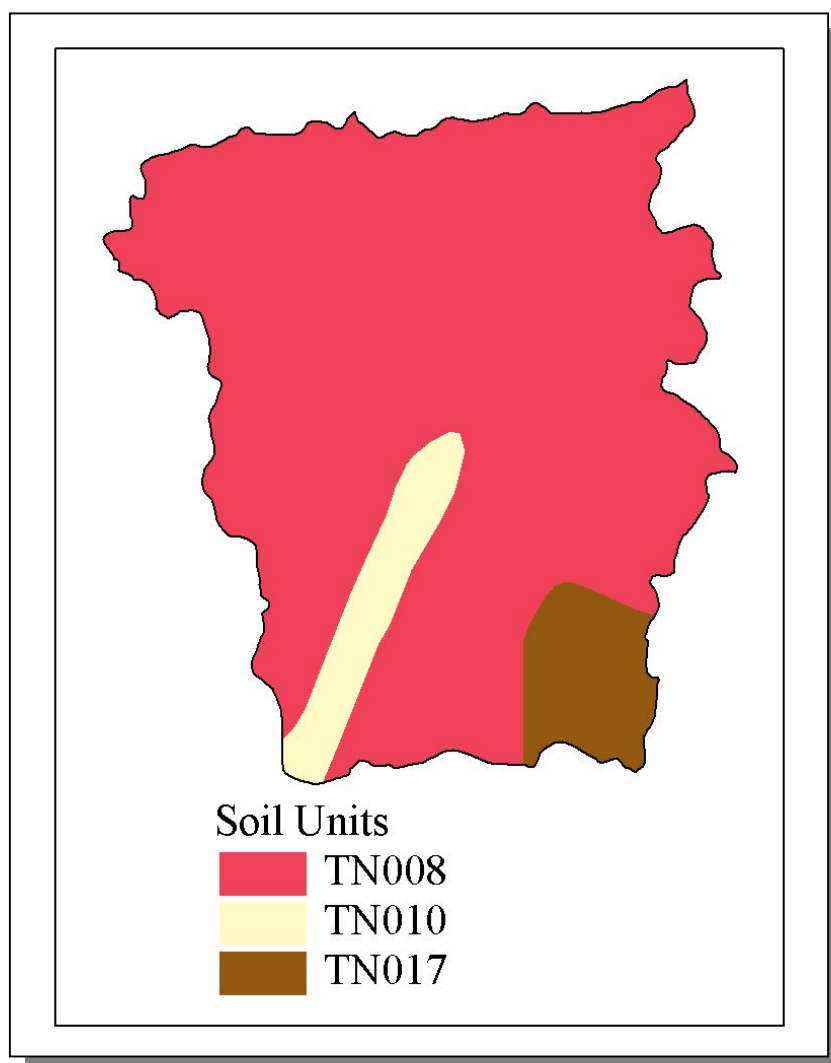


Figure 4-145. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080405.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN017	0.00	B	1.81	5.26	Silty Loam	0.45

Table 4-130. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080405. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Haywood	19,437	19,709	19,797	1.76	343	347	349	1.7
Madison	77,982	84,942	91,837	1.19	931	1,014	1,097	17.8
Total	97,419	104,651	111,634		1,274	1,361	1,446	13.5

Table 4-131. Population Estimates in Subwatershed 080102080405.



Figure 4-146. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080405. More information, including site names and locations, is provided in Appendix IV.

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4.2.D.v.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.D.v.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS		
Beef Cow	Cattle	Hogs
54	249	152

Table 4-132. Summary of Livestock Count Estimates in Subwatershed 080102080405.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Haywood	3,442	6,220	29	237	1,740	12
Madison	0	12,437	0	476	10,210	0

Table 4-133. Summary of Livestock Count Estimates in Haywood and Madison Counties.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Haywood	71.2	71.2	1.7	6.4
Madison	140.7	140.7	2.4	11.5

Table 4-134. Forest Acreage and Annual Removal Rates (1987-1994) in Haywood and Madison Counties.

DRAFT

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.58
Grass (Hayland)	2.56
Grass, Forbs, Legumes (Mixed Pasture)	1.55
Corn (Row Crops)	10.50
Cotton (Row Crops)	12.69
Sorghum (Row Crops)	4.02
Soybeans (Row Crops)	7.74
Wheat (Close-Grown Cropland)	3.53
All Other Close-Grown Cropland	2.00
Fruit (Horticultural)	0.76
Other Vegetable and Truck Crops	5.69
Other Cropland not Planted	1.42
Conservation Reserve Program Lands	0.73
Other Land in Farms	0.13
Farmsteads and Ranch Headquarters	0.55

Table 4-135. Annual Estimated Total Soil Loss in Subwatershed 080102080405.

4.2.D.vi. 080102080406 (Bear Creek).

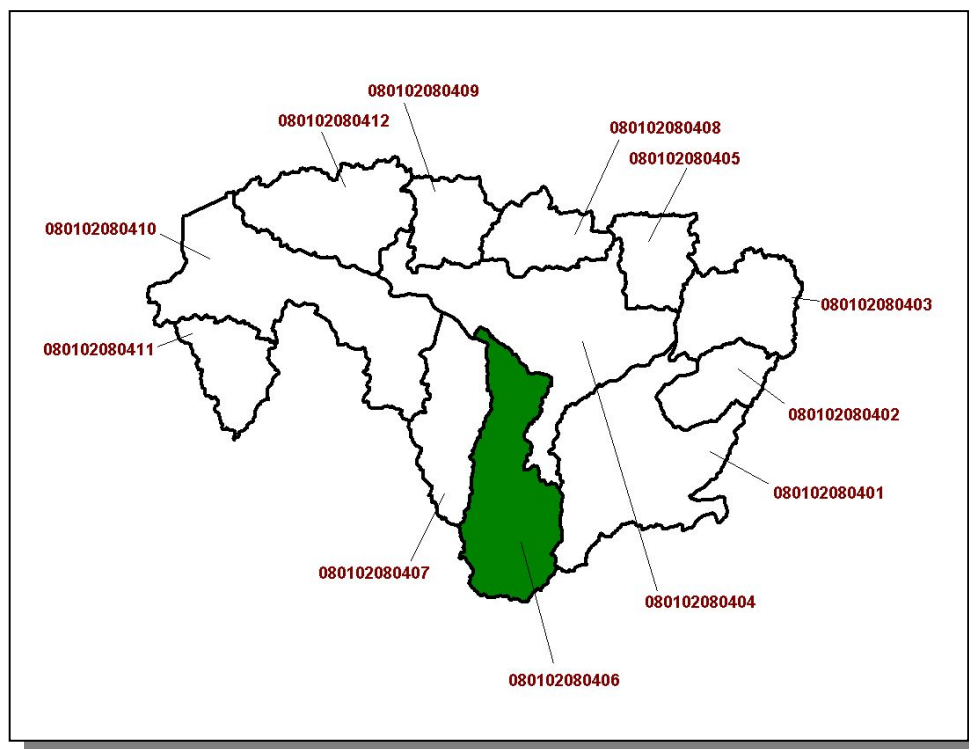


Figure 4-147. Location of Subwatershed 080102080406. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

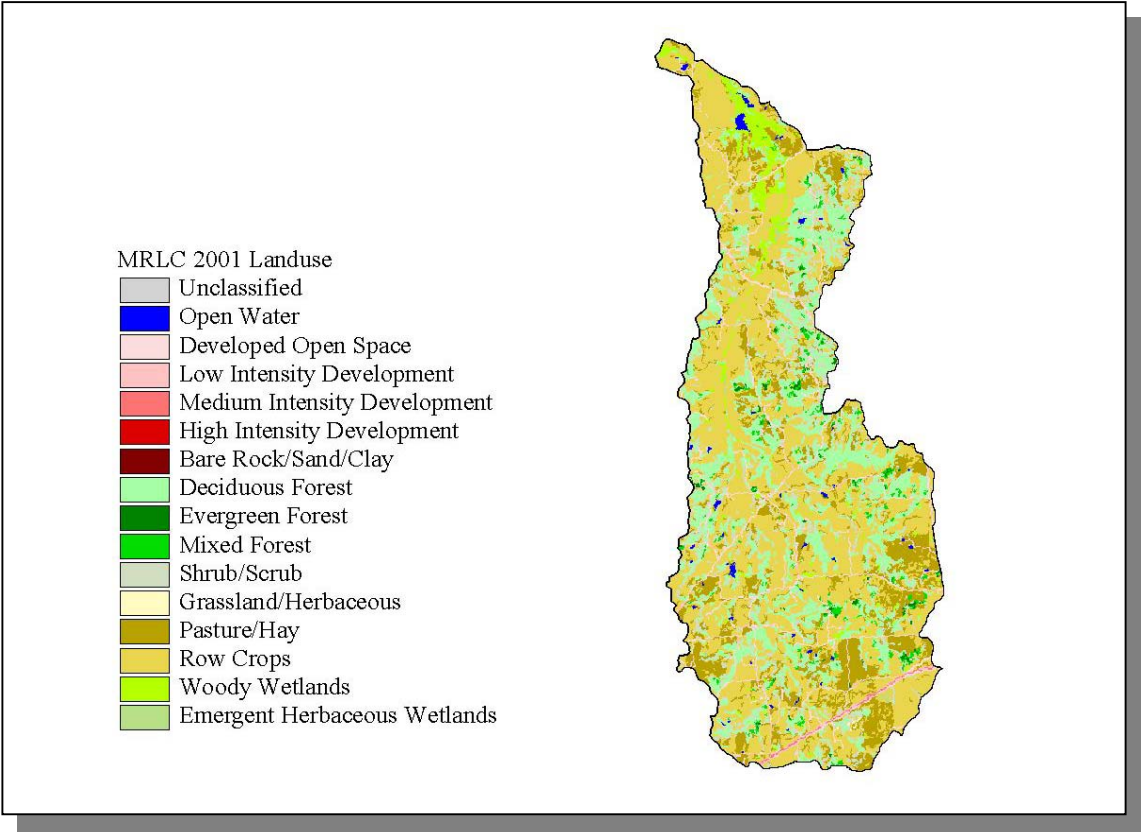


Figure 4-148. Illustration of Land Use Distribution in Subwatershed 080102080406.

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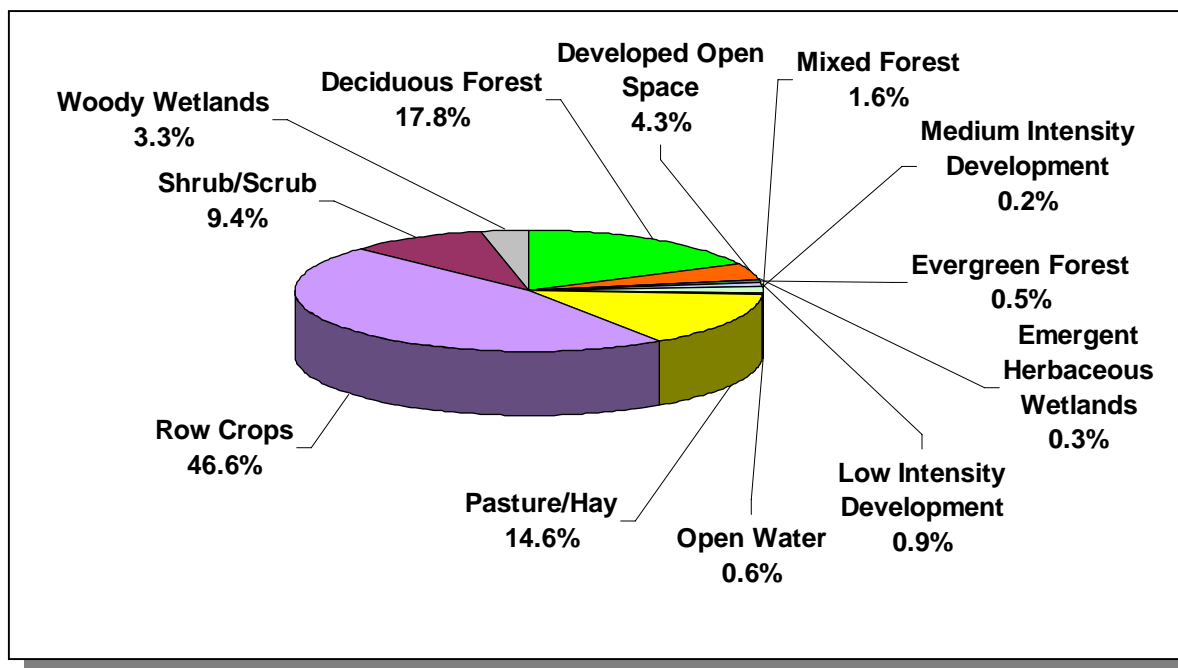


Figure 4-149. Land Use Distribution in Subwatershed 080102080406. More information is provided in Appendix IV.

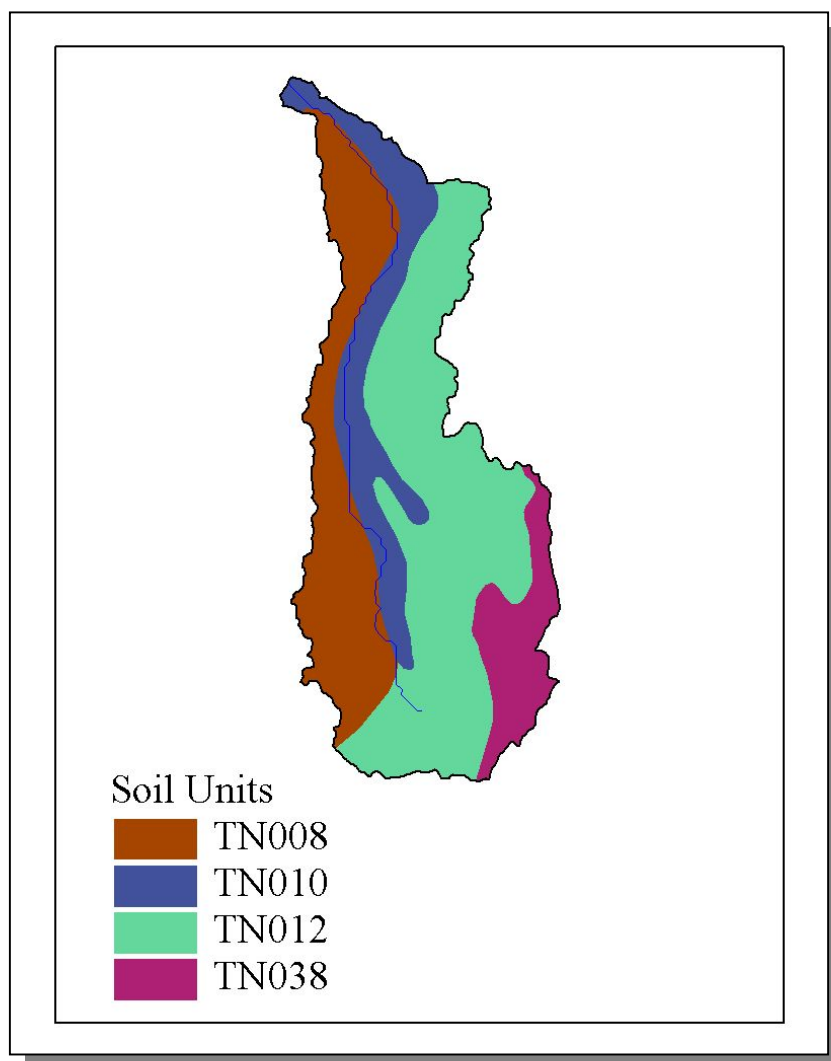


Figure 4-150. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080406.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN038	9.00	C	1.65	5.20	Silty Loam	0.46

Table 4-136. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080406. The definition of "Hydrologic Group" is provided in Appendix IV.

DRAFT

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Fayette	25,559	29,412	28,806	2.78	710	817	800	12.7
Hardeman	23,377	24,702	28,105	1.66	388	410	467	20.4
Haywood	19,437	19,709	19,797	2.31	449	456	458	2.0
Total	68,373	73,823	76,708		1,547	1,683	1,725	11.5

Table 4-137. Population Estimates in Subwatershed 080102080406.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Whiteville	Hardeman	1,050	444	424	20	0

Table 4-138. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080406.

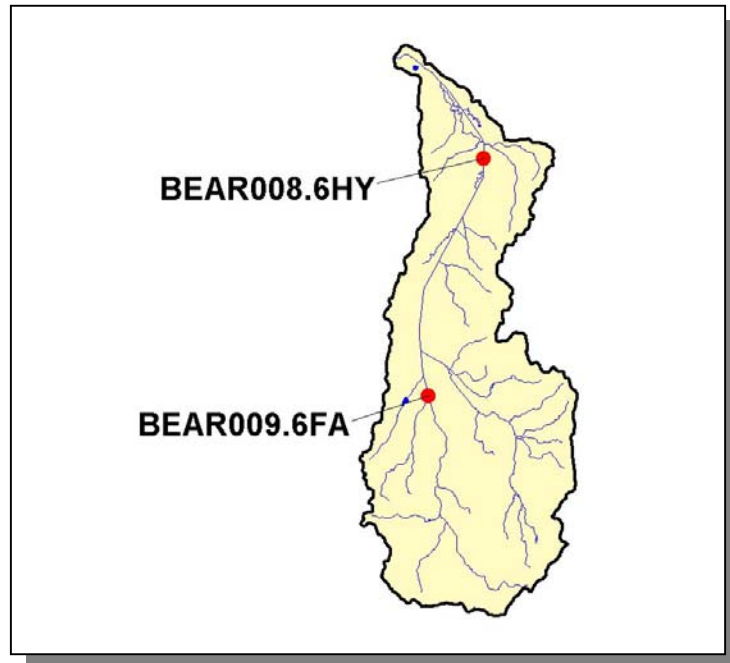


Figure 4-151. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080406. More information, including site names and locations, is provided in Appendix IV.

4.2.D.vi.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.D.vi.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
1,222	2,232	50	<5	1,530	13

Table 4-139. Summary of Livestock Count Estimates in Subwatershed 080102080406. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Fayette	13,421	25,437	965	15	25,667	124
Hardeman	9,184	15,877	62	28	5,221	144
Haywood	3,442	6,220	29	237	1,740	12

Table 4-140. Summary of Livestock Count Estimates in Fayette, Hardeman, and Haywood Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Fayette	152.0	152.0	1.1	3.3
Hardeman	247.1	247.1	5.0	18.6
Haywood	71.2	71.2	1.7	6.4

Table 4-141. Forest Acreage and Annual Removal Rates (1987-1994) in Fayette, Hardeman, and Haywood Counties.

DRAFT

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.71
Grass (Hayland)	1.33
Legumes, Grass (Hayland)	0.22
Legumes (Hayland)	0.16
Grass, Forbs, Legumes (Mixed Pasture)	0.71
Corn (Row Crops)	13.98
Cotton (Row Crops)	14.36
Sorghum (Row Crops)	3.56
Soybeans (Row Crops)	9.83
Wheat (Close-Grown Cropland)	7.21
All Other Close-Grown Cropland	3.08
Fruit (Horticultural)	0.54
Other Vegetable and Truck Crops	4.20
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	2.02
Conservation Reserve Program Lands	0.54
Other Land in Farms	0.16
Farmsteads and Ranch Headquarters	0.49

Table 4-142. Annual Estimated Total Soil Loss in Subwatershed 080102080406.

4.2.D.vii. 080102080407 (Poplar Creek).

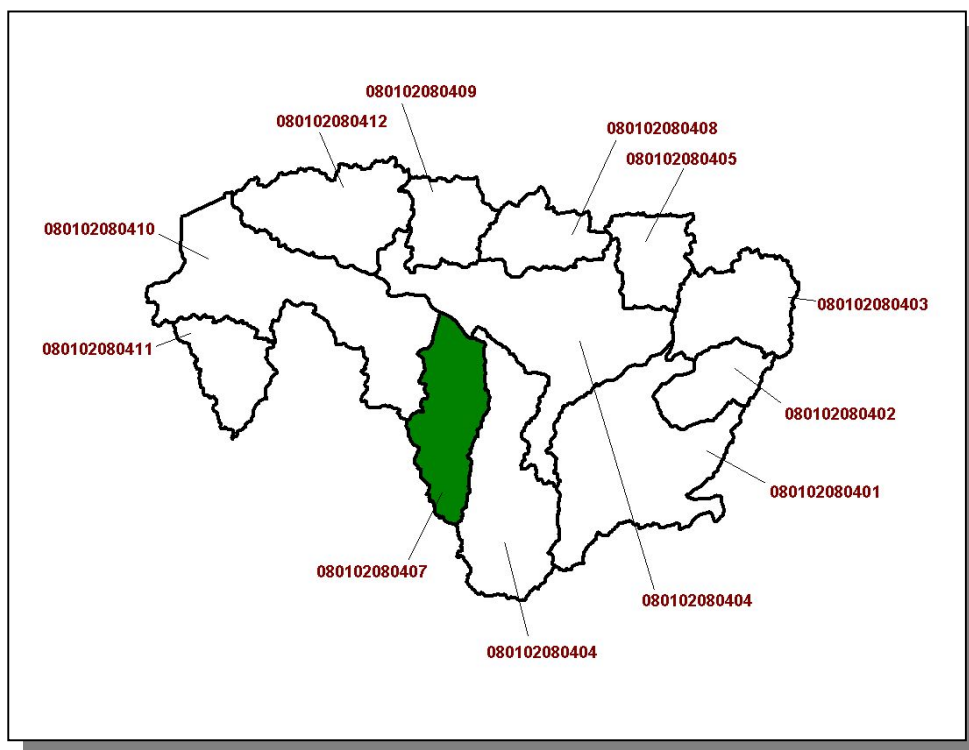


Figure 4-152. Location of Subwatershed 080102080407. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

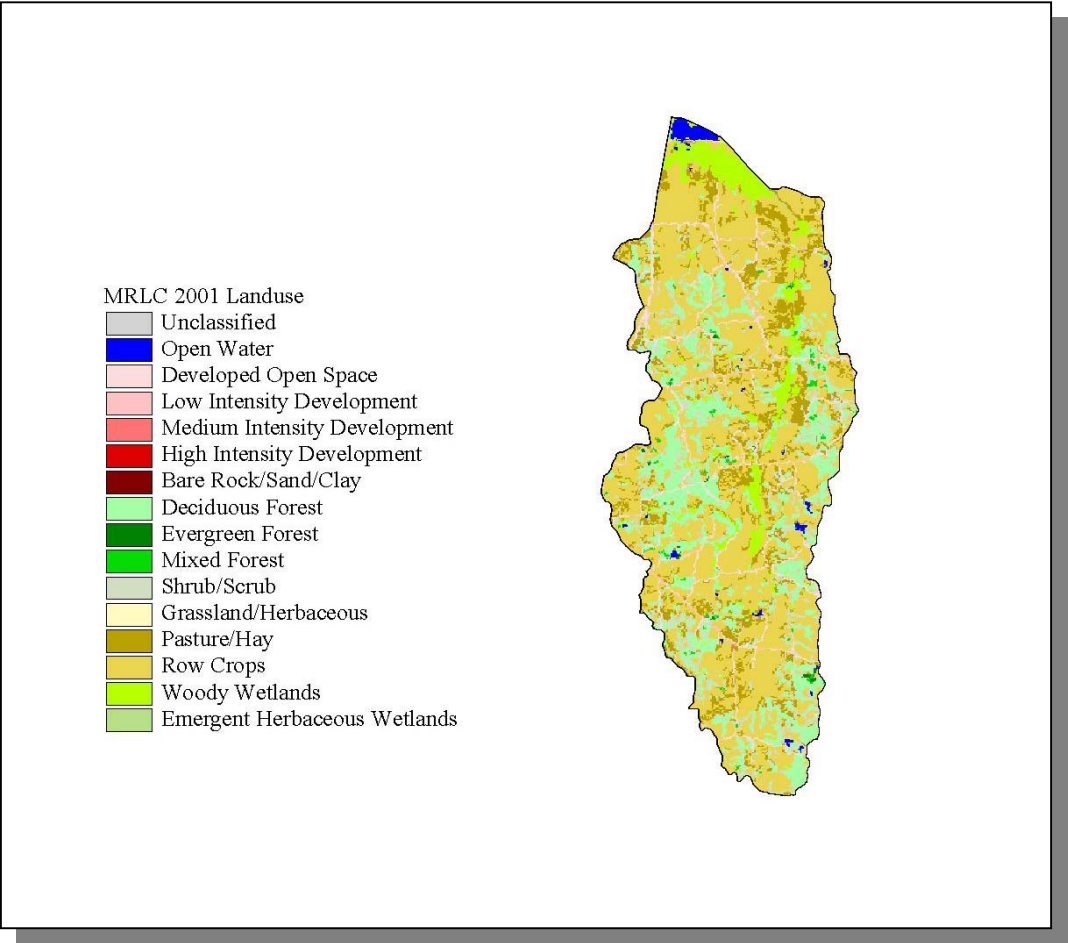


Figure 4-153. Illustration of Land Use Distribution in Subwatershed 080102080407.

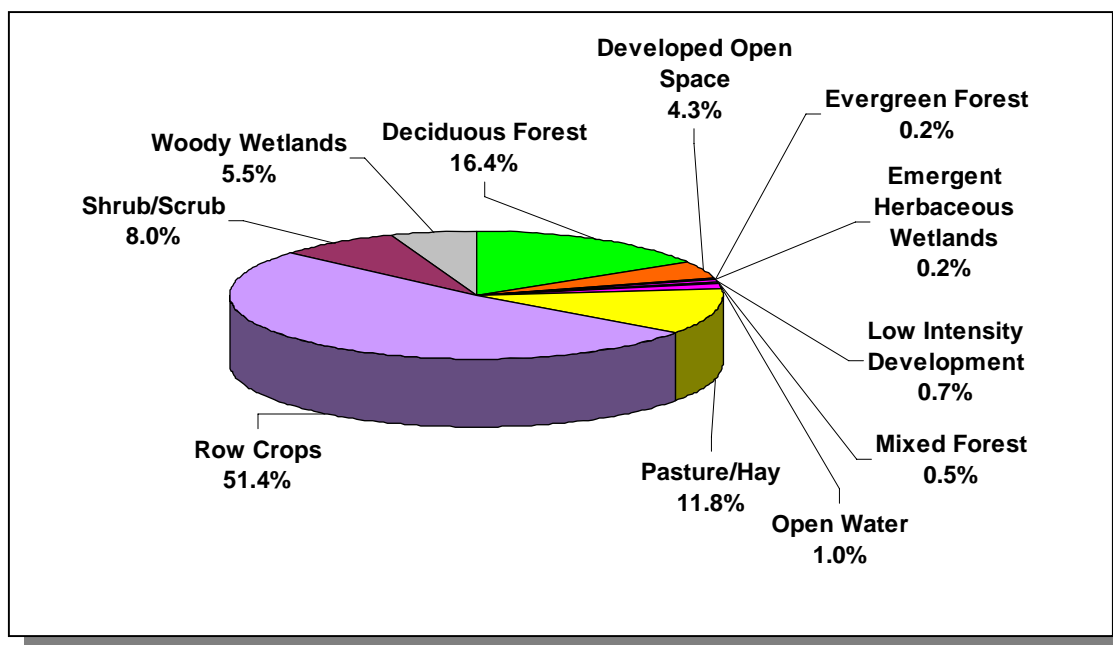


Figure 4-154. Land Use Distribution in Subwatershed 080102080407. More information is provided in Appendix IV.

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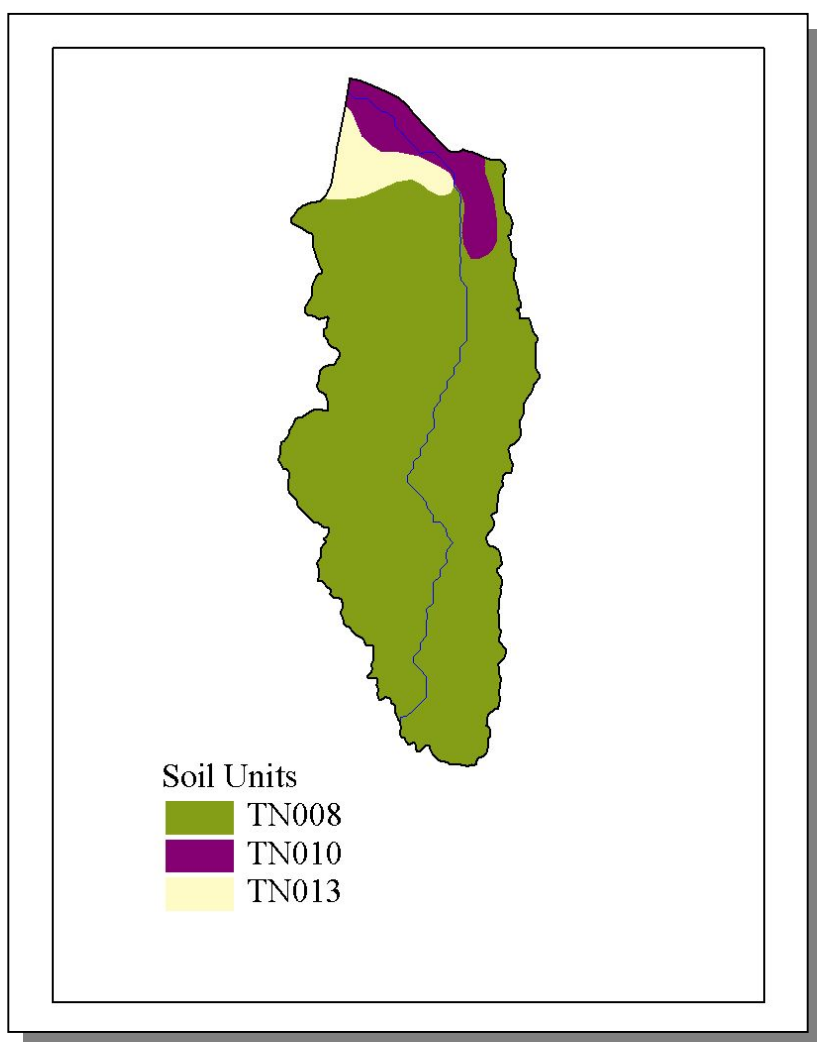


Figure 4-155. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080407.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN013	72.00	C	1.30	5.44	Silty Loam	0.46

Table 4-143. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080407. The definition of "Hydrologic Group" is provided in Appendix IV.

DRAFT

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Fayette	25,559	29,412	28,806	1.11	283	325	318	12.4
Haywood	19,437	19,709	19,797	3.5	681	691	694	1.9
Total	44,996	49,121	48,603		964	1,016	1,012	5.0

Table 4-144. Population Estimates in Subwatershed 080102080407.



Figure 4-156. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080407. More information, including site names and locations, is provided in Appendix IV.

DRAFT

4.2.D.vii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.D.vii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
396	734	16	<5	486	<5

Table 4-145. Summary of Livestock Count Estimates in Subwatershed 080102080407. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Fayette	13,421	25,437	965	15	25,667	124
Haywood	3,442	6,220	29	237	1,740	12

Table 4-146. Summary of Livestock Count Estimates in Fayette and Haywood Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Fayette	152.0	152.0	1.1	3.3
Haywood	71.2	71.2	1.7	6.4

Table 4-147. Forest Acreage and Annual Removal Rates (1987-1994) in Fayette and Haywood Counties.

DRAFT

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.62
Grass (Hayland)	2.72
Legumes, Grass (Hayland)	0.22
Legumes (Hayland)	0.16
Grass, Forbs, Legumes (Mixed Pasture)	0.43
Corn (Row Crops)	10.99
Cotton (Row Crops)	11.50
Sorghum (Row Crops)	4.02
Soybeans (Row Crops)	7.90
Wheat (Close-Grown Cropland)	2.75
All Other Close-Grown Cropland	3.08
Fruit (Horticultural)	0.65
Other Vegetable and Truck Crops	4.20
Other Cropland not Planted	1.04
Conservation Reserve Program Lands	0.78
Other Land in Farms	1.16
Farmsteads and Ranch Headquarters	0.47

Table 4-148. Annual Estimated Total Soil Loss in Subwatershed 080102080407.

4.2.D.viii. 080102080408 (Carter Creek).

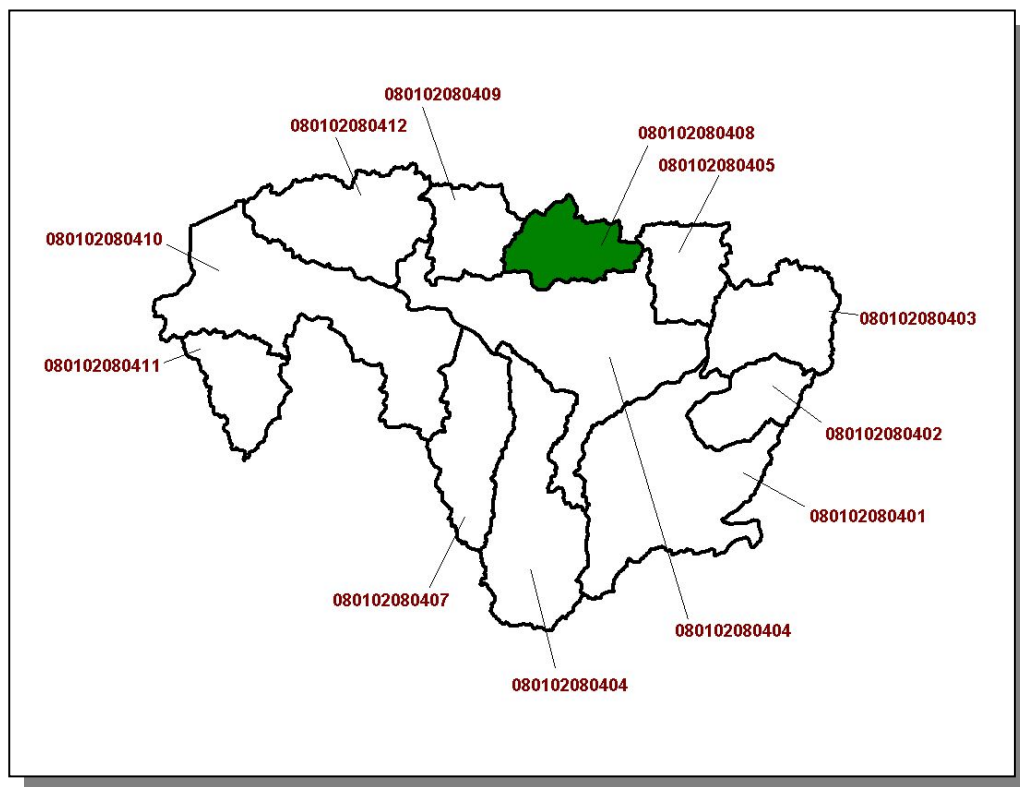


Figure 4-157. Location of Subwatershed 080102080408. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

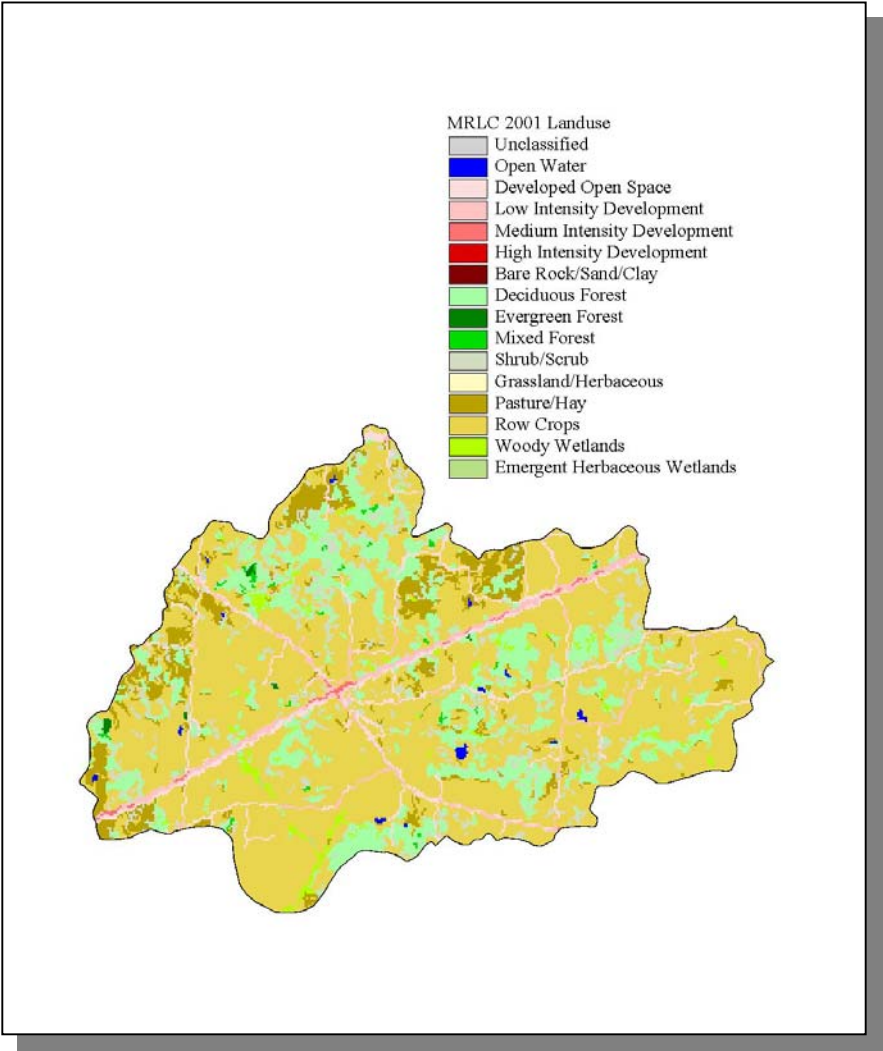


Figure 4-158. Illustration of Land Use Distribution in Subwatershed 080102080408.

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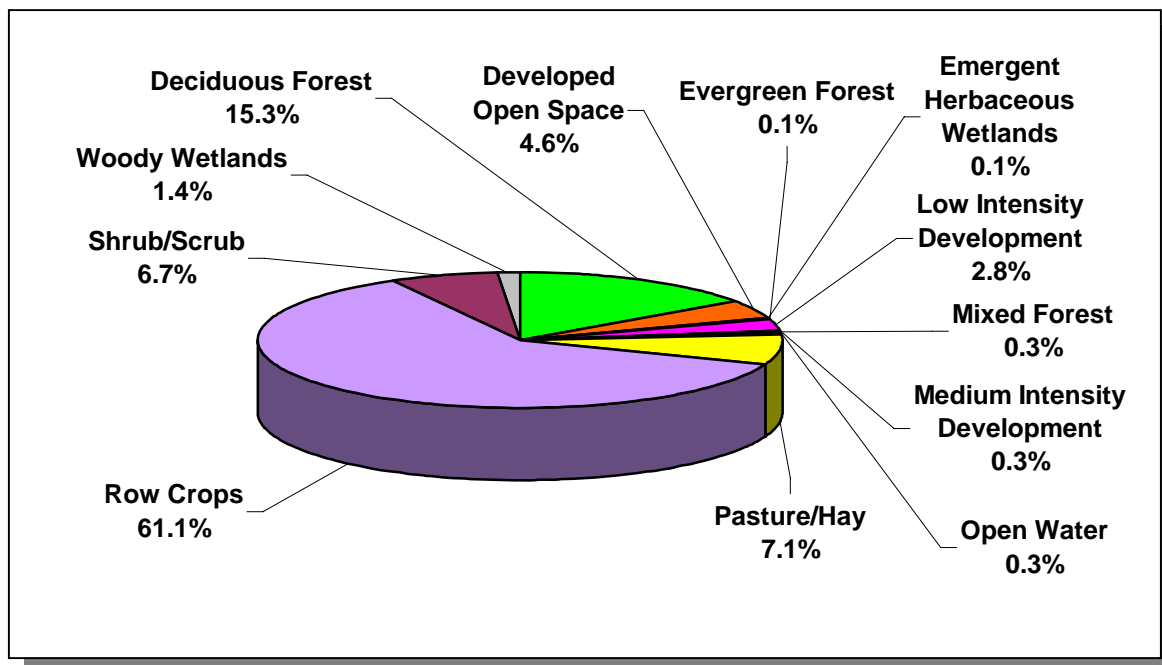


Figure 4-159. Land Use Distribution in Subwatershed 080102080408. More information is provided in Appendix IV.

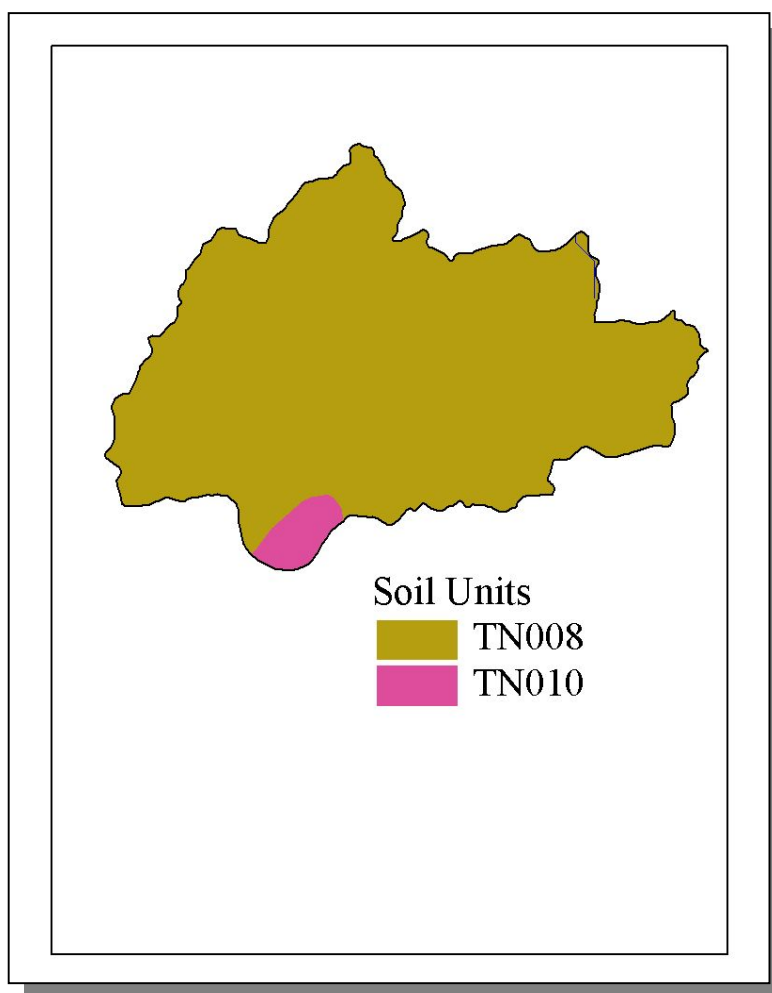


Figure 4-160. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080408.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44

Table 4-149. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080408. The definition of “Hydrologic Group” is provided in Appendix IV.

DRAFT

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Haywood	19,437	19,709	19,797	3.18	617	626	629	1.9

Table 4-150. Population Estimates in Subwatershed 080102080408.

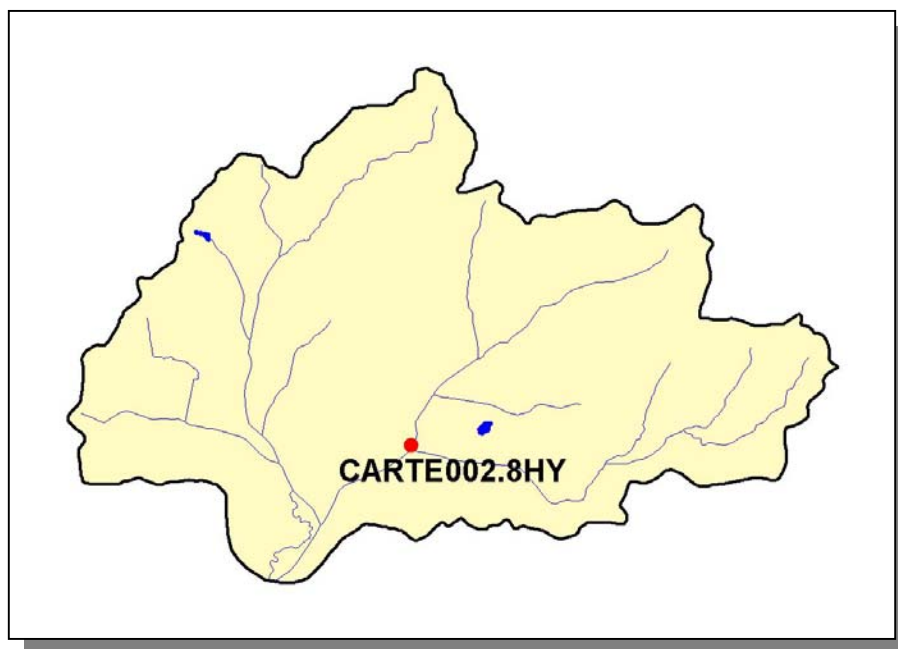


Figure 4-161. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080408. More information, including site names and locations, is provided in Appendix IV.

DRAFT

4.2.D.viii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.D.viii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS			
Beef Cow	Cattle	Milk Cow	Hogs
137	247	<5	69

Table 4-151. Summary of Livestock Count Estimates in Subwatershed 080102080408. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Haywood	3,442	6,220	29	237	1,740	12

Table 4-152. Summary of Livestock Count Estimates in Haywood County. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Haywood	71.2	71.2	1.7	6.4

Table 4-153. Forest Acreage and Annual Removal Rates (1987-1994) in Haywood County.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.70
Grass (Hayland)	3.69
Grass, Forbs, Legumes (Mixed Pasture)	0.30
Corn (Row Crops)	7.47
Cotton (Row Crops)	12.50
Sorghum (Row Crops)	4.02
Soybeans (Row Crops)	7.10
All Other Close-Grown Cropland	3.08
Fruit (Horticultural)	0.76
Other Vegetable and Truck Crops	4.20
Other Cropland not Planted	0.85
Conservation Reserve Program Lands	0.91
Other Land in Farms	0.16
Farmsteads and Ranch Headquarters	0.61

Table 4-154. Annual Estimated Total Soil Loss in Subwatershed 080102080408.

4.2.D.ix. 080102080409 (Sugar Creek).

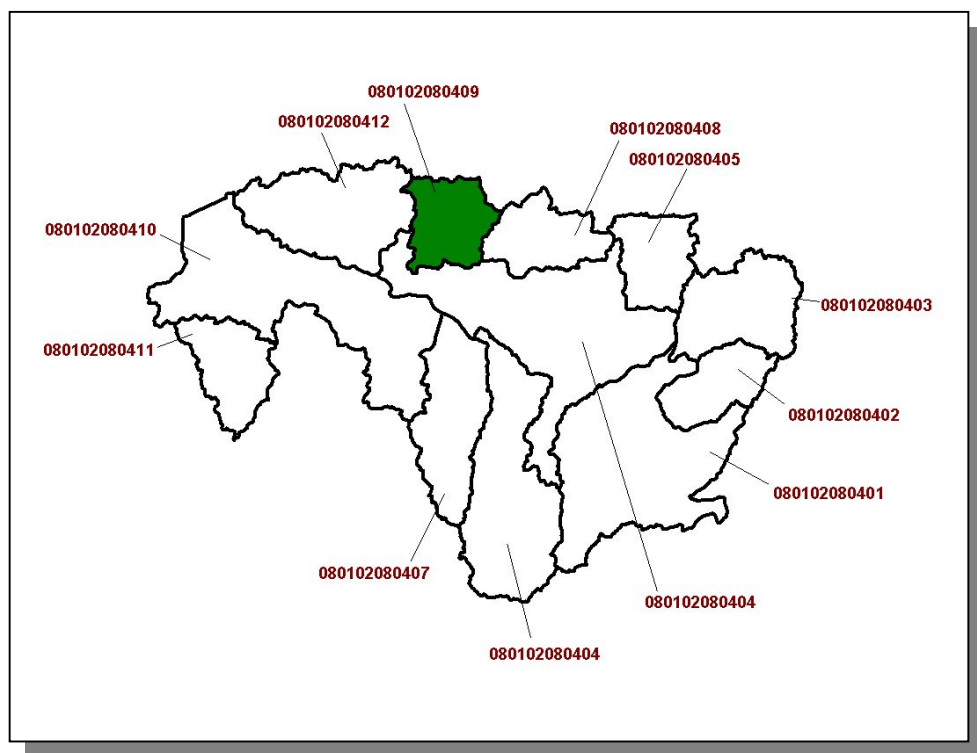


Figure 4-162. Location of Subwatershed 080102080409. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

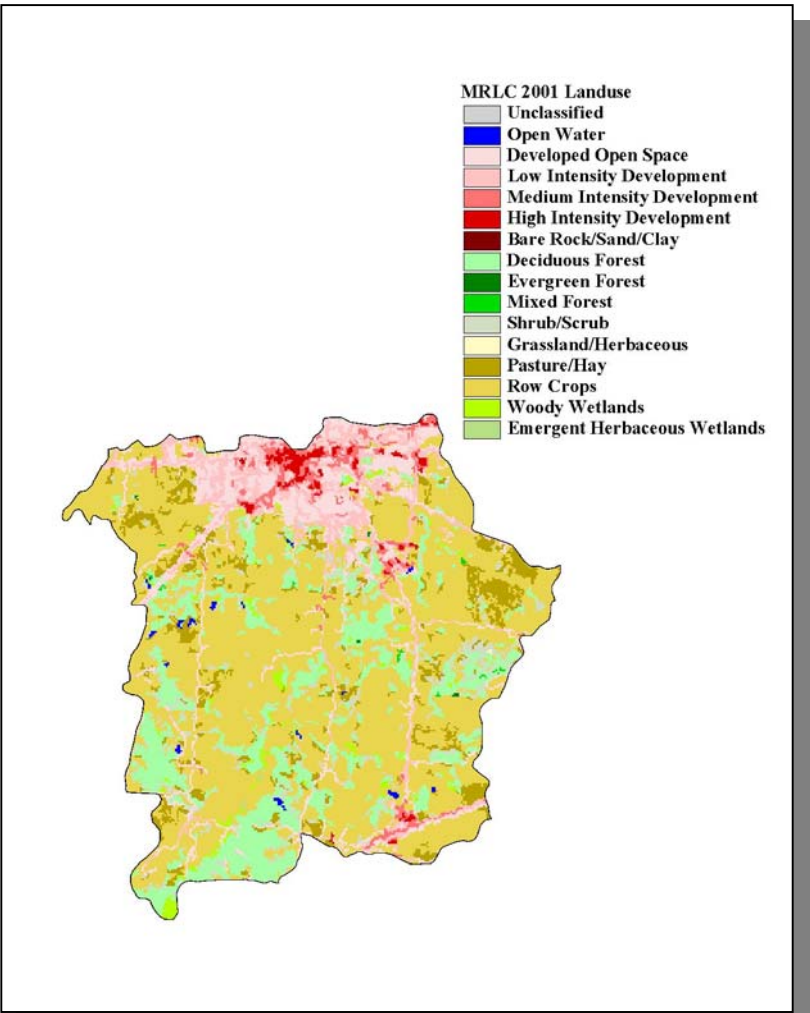


Figure 4-163. Illustration of Land Use Distribution in Subwatershed 080102080409.

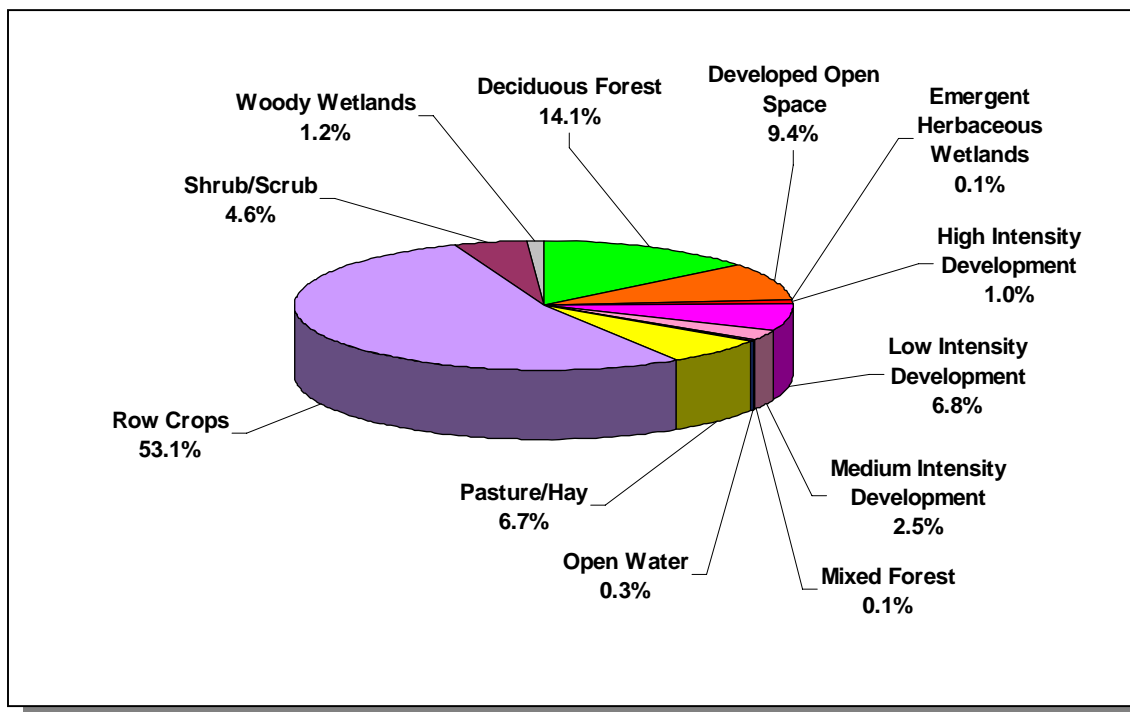


Figure 4-164. Land Use Distribution in Subwatershed 080102080409. More information is provided in Appendix IV.

DRAFT

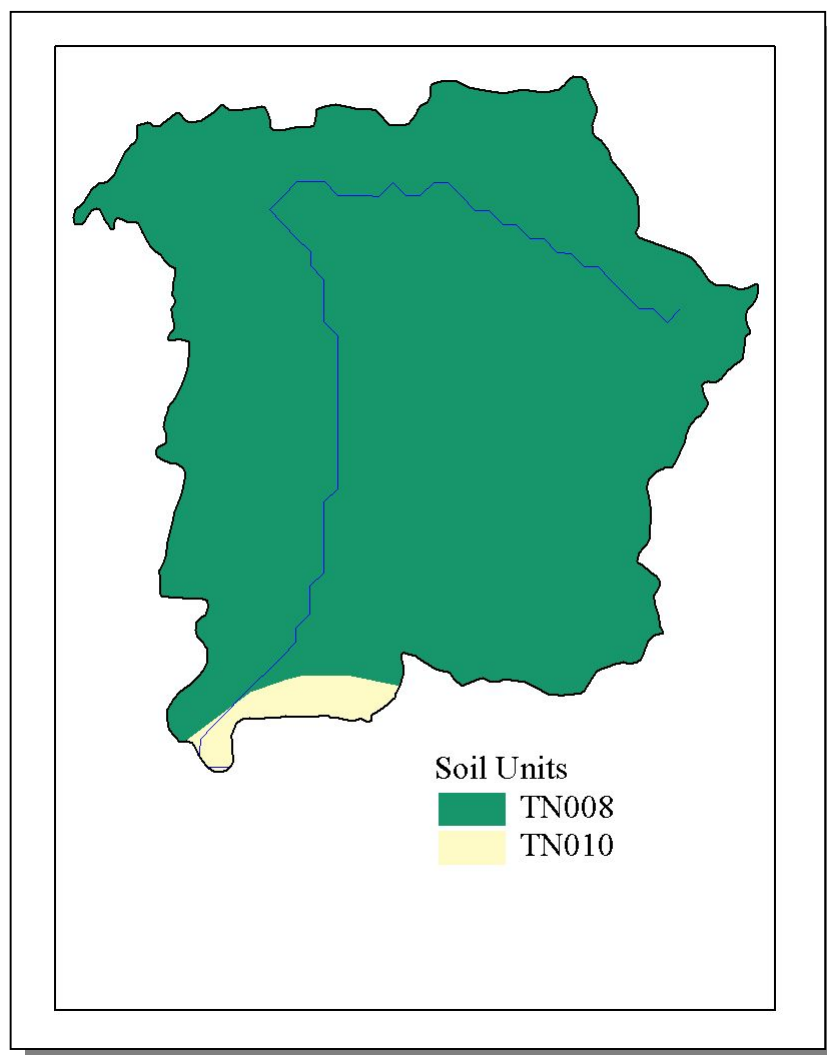


Figure 4-165. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080409.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44

Table 4-155. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080409. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Haywood	19,437	19,709	19,797	3.03	589	597	600	1.9

Table 4-156. Population Estimates in Subwatershed 080102080409.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Brownsville	Haywood	10,109	3,848	3,761	64	23

Table 4-157. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080409.



Figure 4-166. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080409. More information, including site names and locations, is provided in Appendix IV.

4.2.D.ix.a. Point Source Contributions.

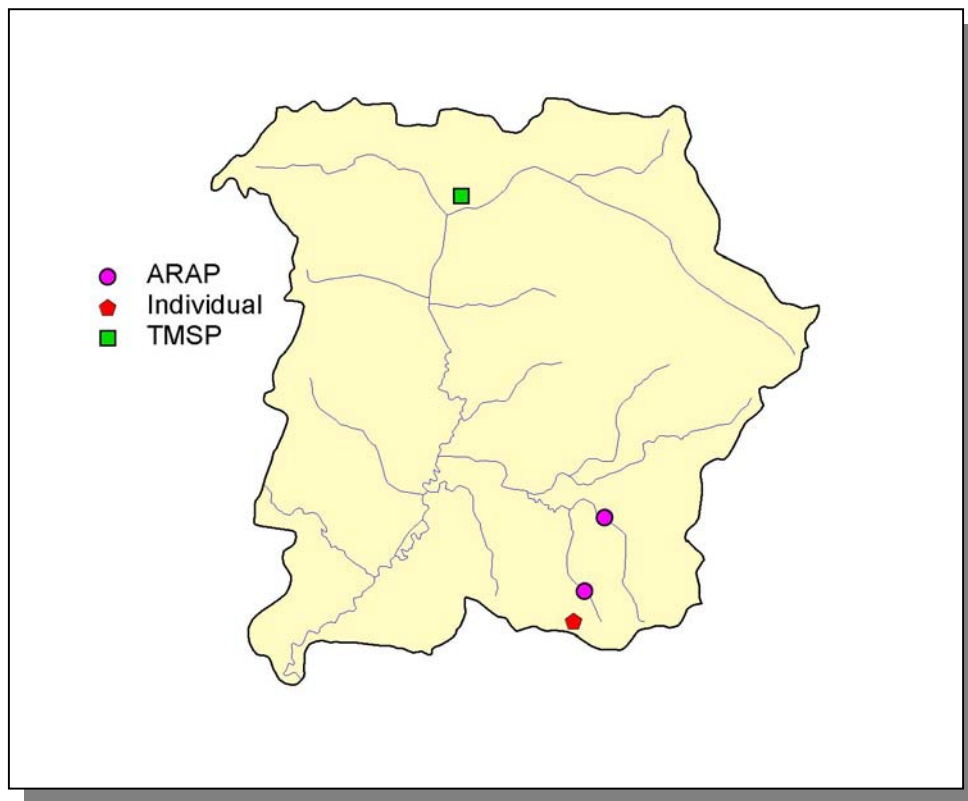


Figure 4-167. Location of Permits Issued in Subwatershed 080102080409. More information, including the names of facilities, is provided in Appendix IV.



Figure 4-168. Location of Active NPDES Sites in Subwatershed 080102080409. More information, including the names of facilities, is provided in Appendix IV.

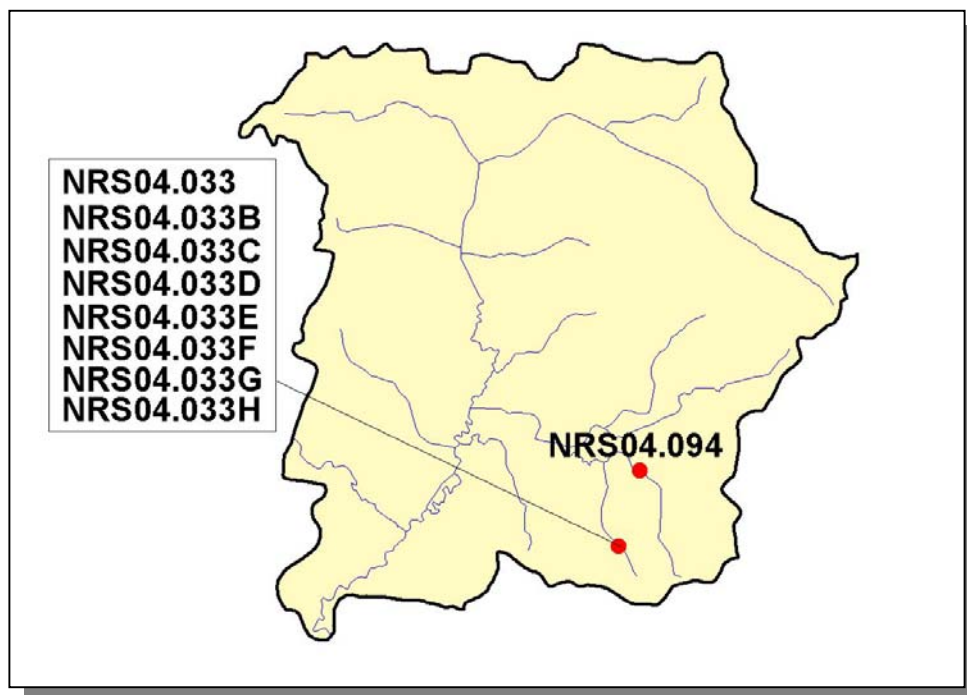


Figure 4-169. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 080102080409. More information is provided in Appendix IV.



Figure 4-170. Location of TMS Sites in Subwatershed 080102080409. More information, including the names of facilities, is provided in Appendix IV.

DRAFT

4.2.D.ix.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS			
Beef Cow	Cattle	Milk Cow	Hogs
130	235	<5	66

Table 4-158. Summary of Livestock Count Estimates in Subwatershed 080102080409. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Haywood	3,442	6,220	29	237	1,740	12

Table 4-159. Summary of Livestock Count Estimates in Haywood County. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Haywood	71.2	71.2	1.7	6.4

Table 4-160. Forest Acreage and Annual Removal Rates (1987-1994) in Haywood County.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.70
Grass (Hayland)	3.69
Grass, Forbs, Legumes (Mixed Pasture)	0.30
Corn (Row Crops)	7.47
Cotton (Row Crops)	12.50
Sorghum (Row Crops)	4.02
Soybeans (Row Crops)	7.10
All Other Close-Grown Cropland	3.08
Fruit (Horticultural)	0.76
Other Vegetable and Truck Crops	4.20
Other Cropland not Planted	0.85
Conservation Reserve Program Lands	0.91
Other Land in Farms	0.16
Farmsteads and Ranch Headquarters	0.61

Table 4-161. Annual Estimated Total Soil Loss in Subwatershed 080102080409.

4.2.D.x. 080102080410 (Hatchie River).

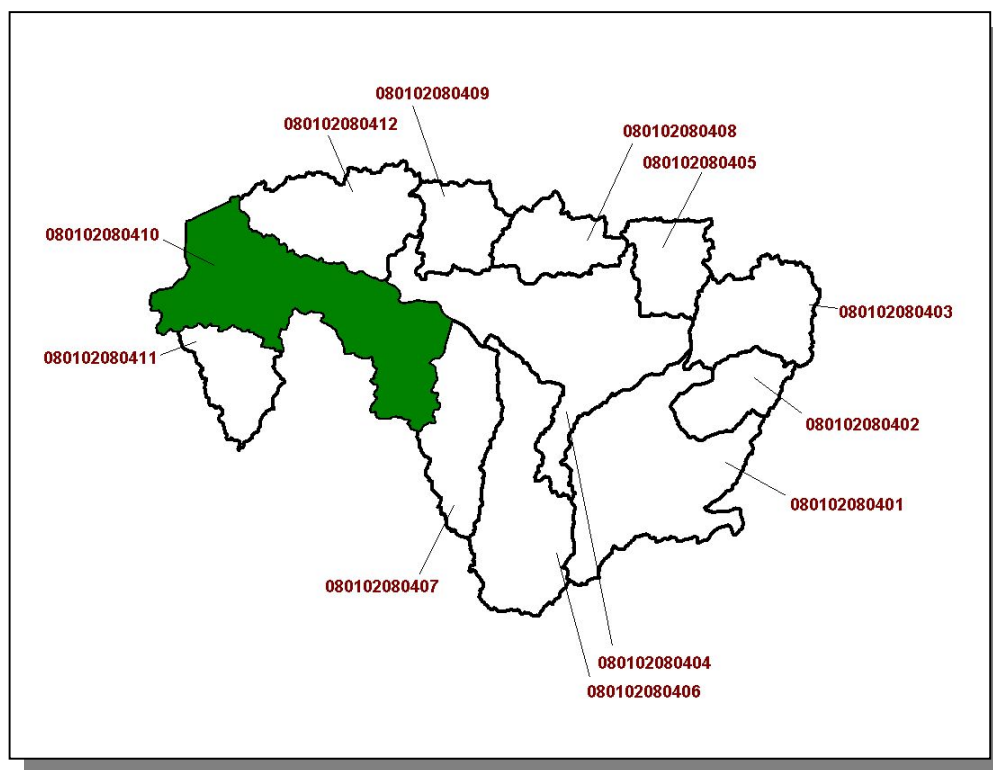


Figure 4-171. Location of Subwatershed 080102080410. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

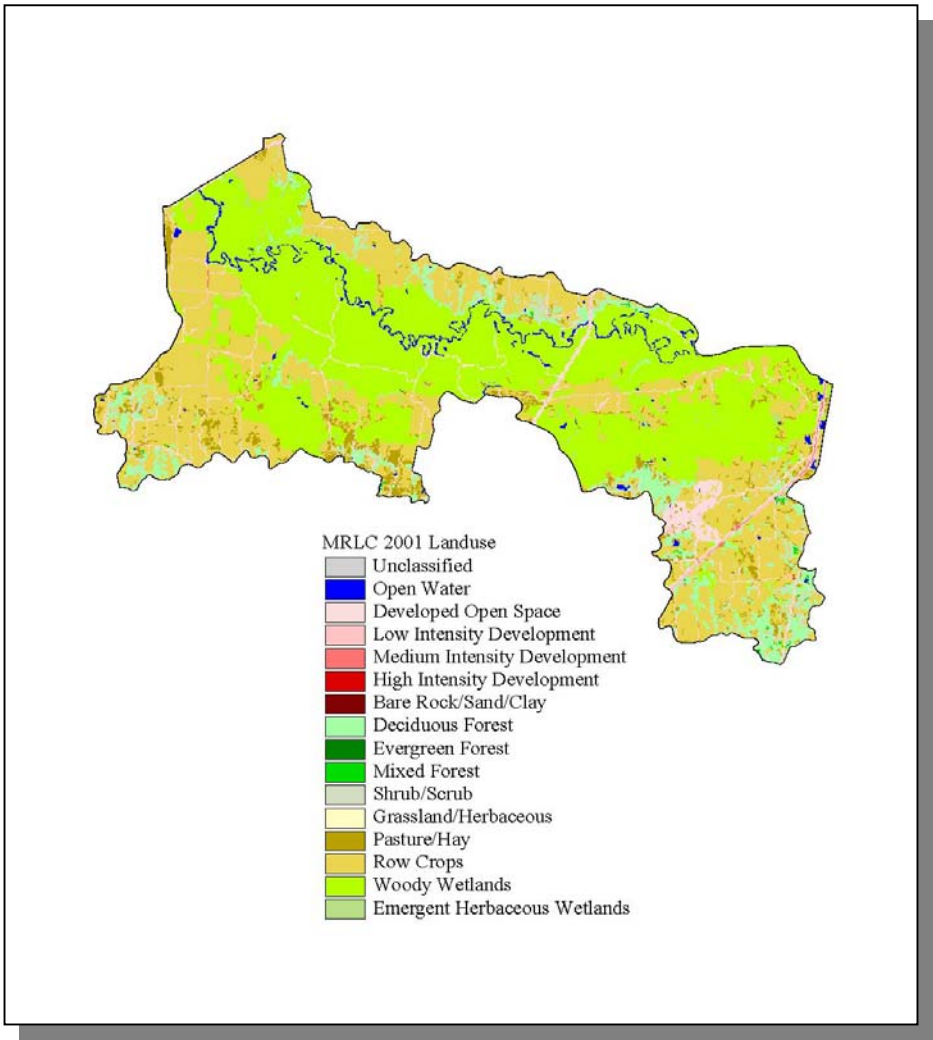


Figure 4-172. Illustration of Land Use Distribution in Subwatershed 080102080410.

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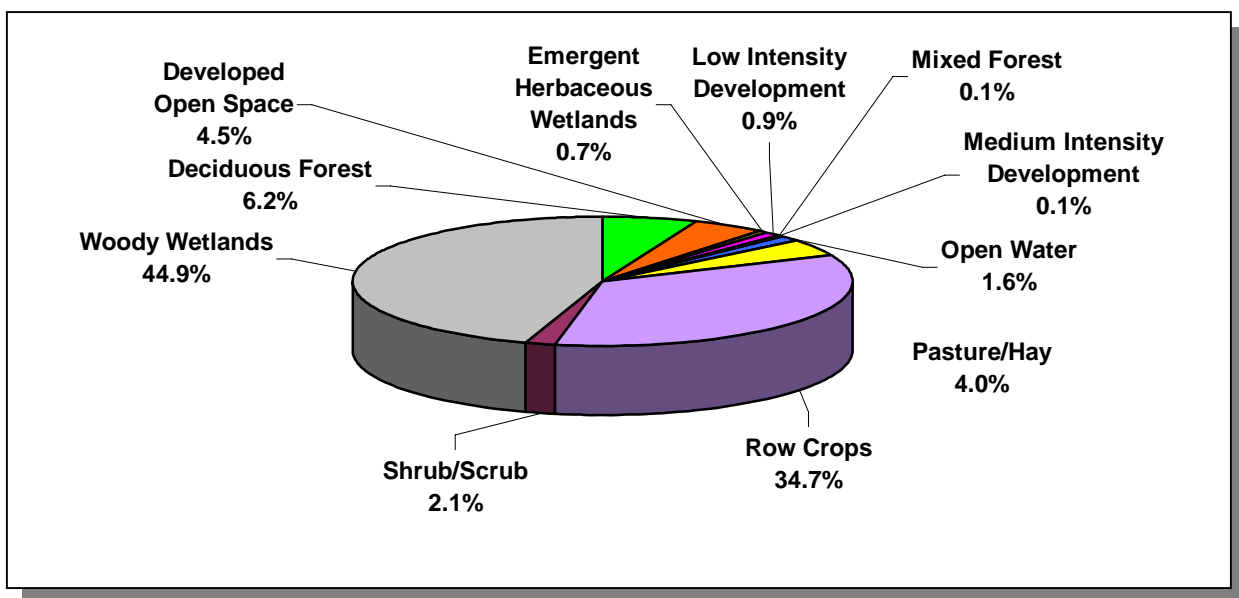


Figure 4-173. Land Use Distribution in Subwatershed 080102080410. More information is provided in Appendix IV.

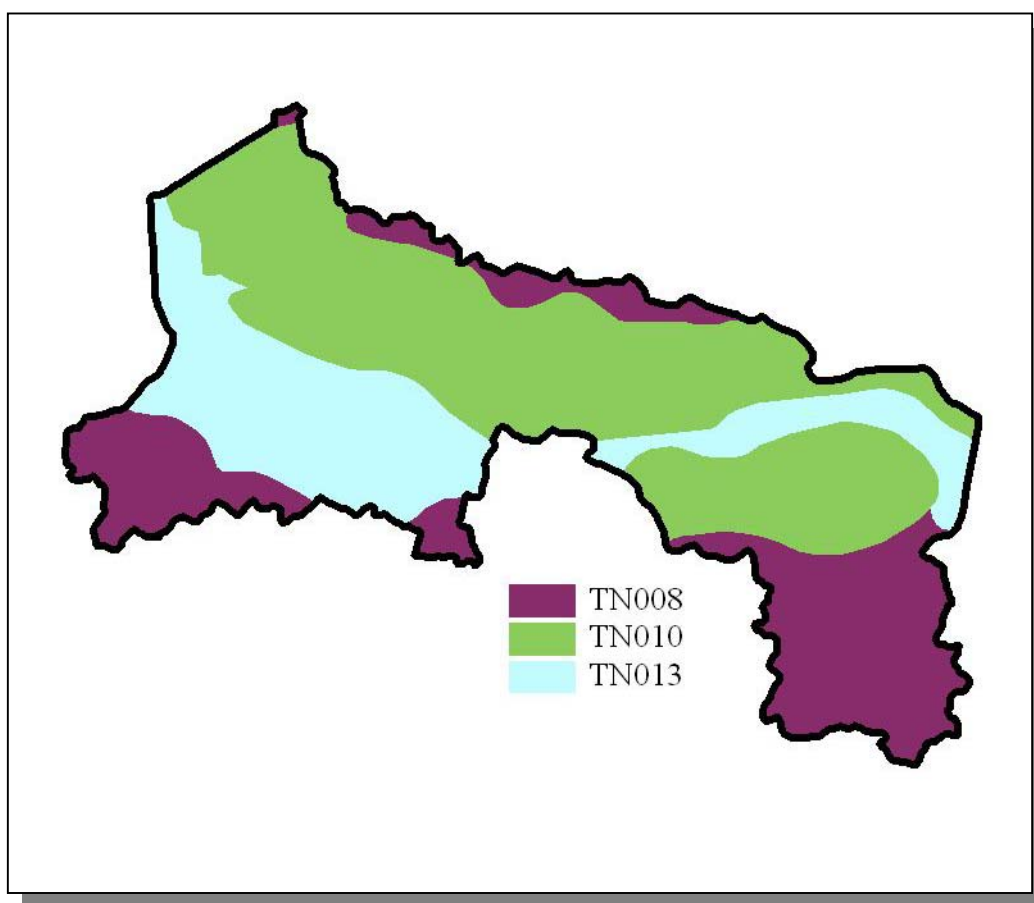


Figure 4-174. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080410.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN013	72.00	C	1.30	5.44	Silty Loam	0.46

Table 4-162. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080410. The definition of “Hydrologic Group” is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Haywood	19,437	19,709	19,787	9.68	1,881	1,907	1,915	1.8
Tipton	37,568	45,986	51,271	2.41	905	1,108	1,235	36.5
Total	57,005	65,695	71,068		2,786	3,015	3,150	13.1

Table 4-163. Population Estimates in Subwatershed 080102080410.

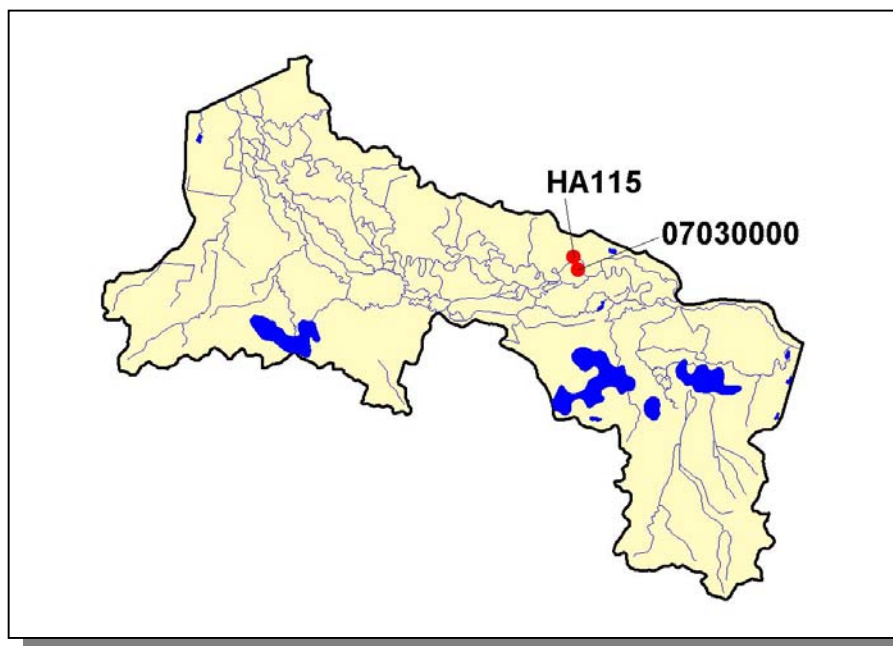


Figure 4-175. Location of Historical Streamflow Data Collection Sites in Subwatershed 080102080410. More information is provided in Appendix IV.

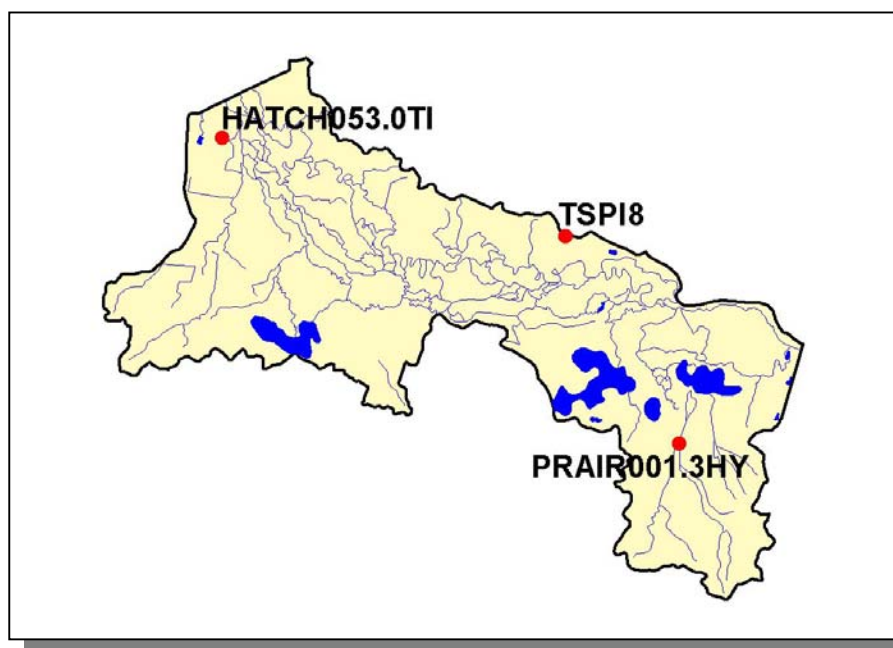


Figure 4-176. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080410. More information, including site names and locations, is provided in Appendix IV.

4.2.D.x.a. Point Source Contributions.

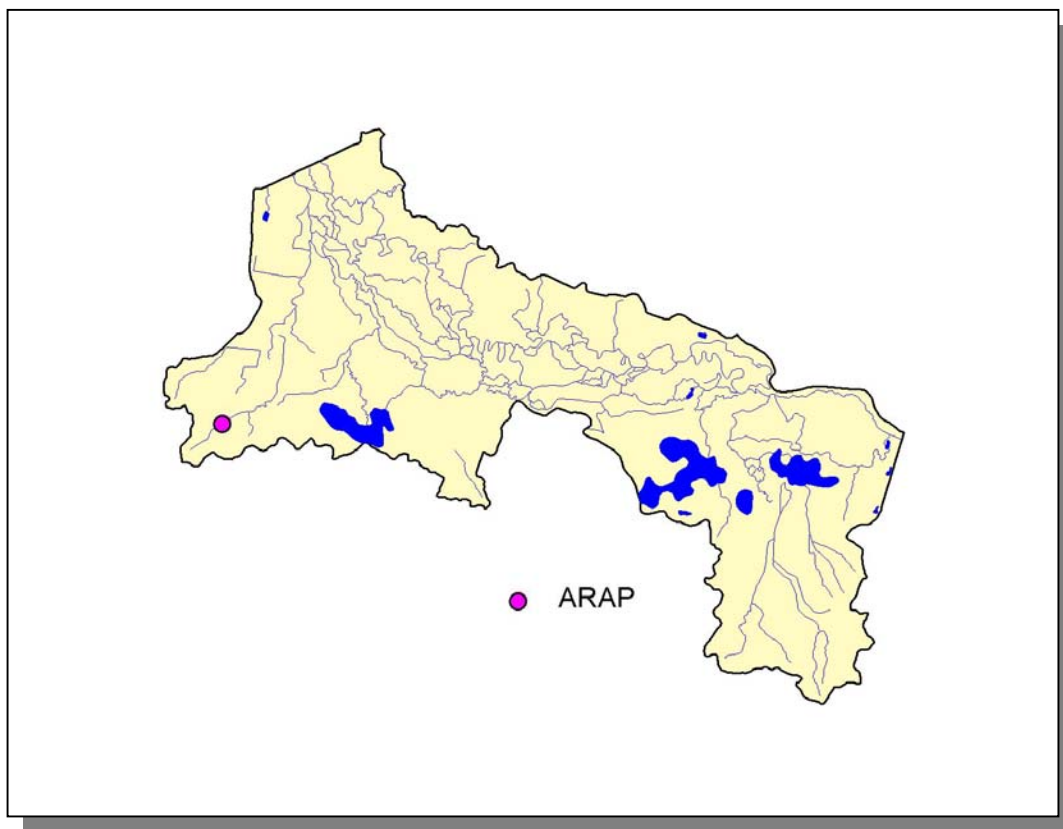


Figure 4-177. Location of Permits Issued in Subwatershed 0801020800410. More information, including the names of facilities, is provided in Appendix IV.

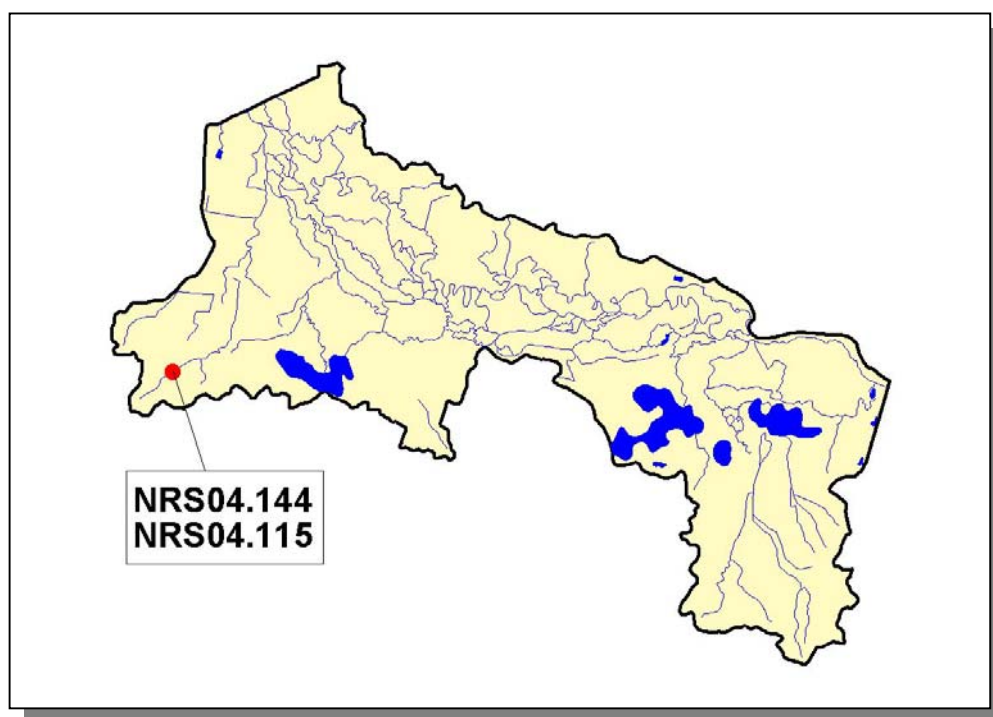


Figure 4-178. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 080102080410. More information is provided in Appendix IV.

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4.2.D.x.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
323	584	<5	<5	116	<5

Table 4-164. Summary of Livestock Count Estimates in Subwatershed 080102100410.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Haywood	3,442	6,220	29	237	1,740	12
Tipton	5,422	9,796	14	334	251	86

Table 4-165. Summary of Livestock Count Estimates in Haywood and Tipton Counties.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Haywood	71.2	71.2	1.7	6.4
Tipton	50.9	50.9	1.0	5.6

Table 4-166. Forest Acreage and Annual Removal Rates (1987-1994) in Haywood and Tipton Counties.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.72
Grass (Hayland)	3.42
Legumes (Hayland)	0.54
Grass, Forbs, Legumes (Mixed Pasture)	0.42
Corn (Row Crops)	7.47
Cotton (Row Crops)	13.18
Sorghum (Row Crops)	4.02
Soybeans (Row Crops)	9.06
All Other Close-Grown Cropland	3.08
Fruit (Horticultural)	0.76
Other Vegetable and Truck Crops	7.11
Other Cropland not Planted	0.75
Conservation Reserve Program Lands	0.93
Other Land in Farms	0.16
Farmsteads and Ranch Headquarters	0.62

Table 4-167. Annual Estimated Total Soil Loss in Subwatershed 080102080410.

4.2.D.xi. 080102080411 (Little Muddy Creek).



Figure 4-179. Location of Subwatershed 080102080411. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

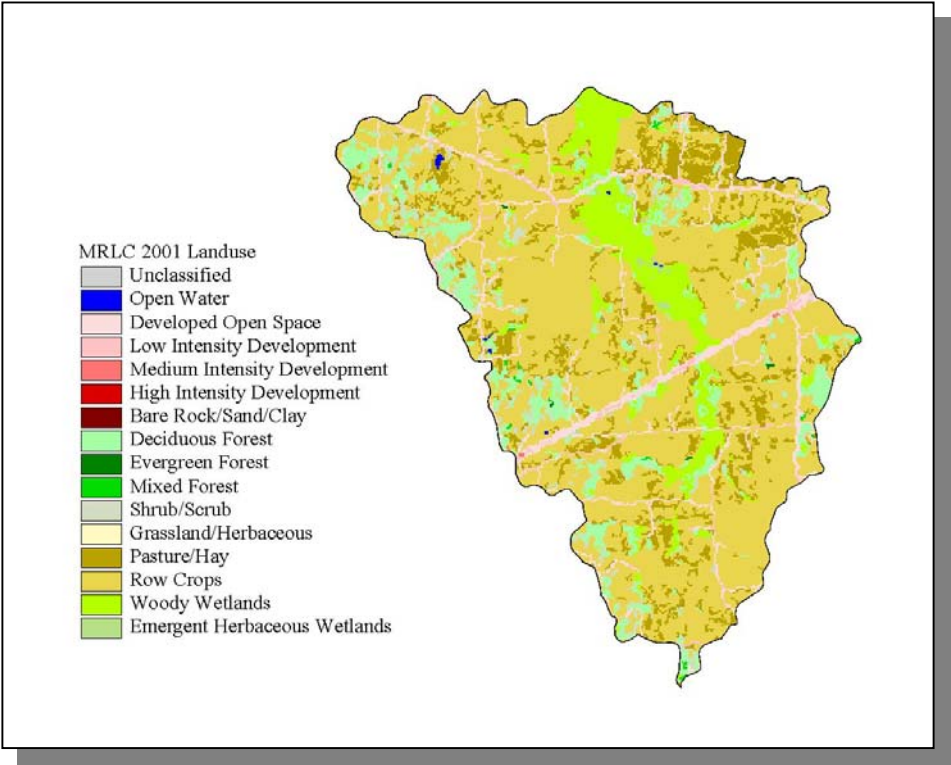


Figure 4-180. Illustration of Land Use Distribution in Subwatershed 080102080411.

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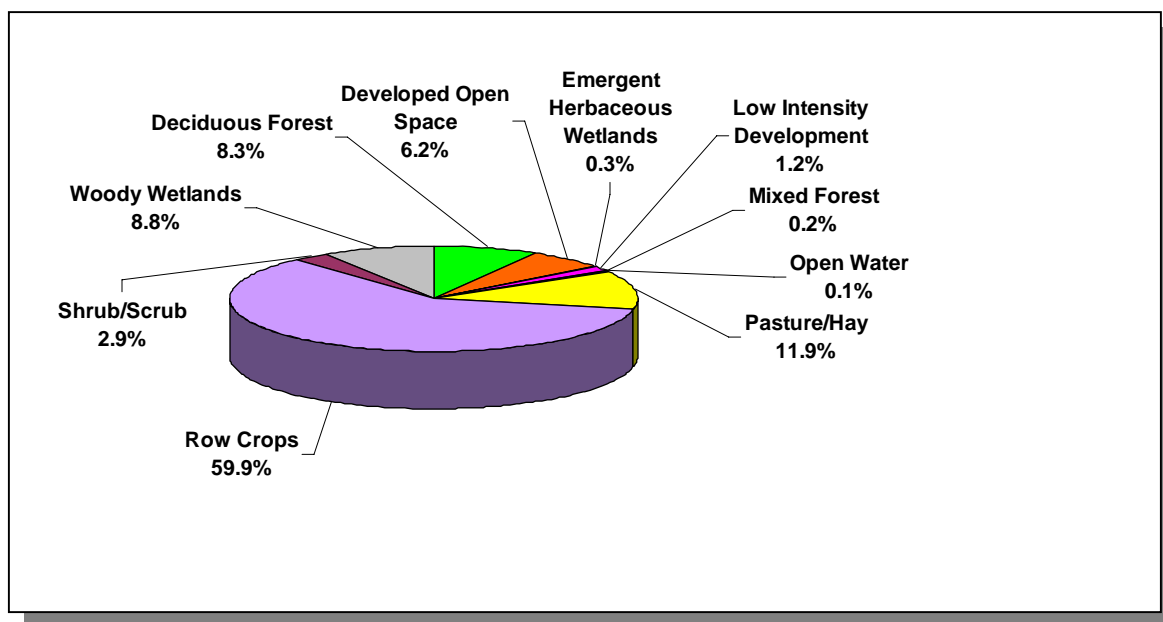


Figure 4-181. Land Use Distribution in Subwatershed 080102080411. More information is provided in Appendix IV.

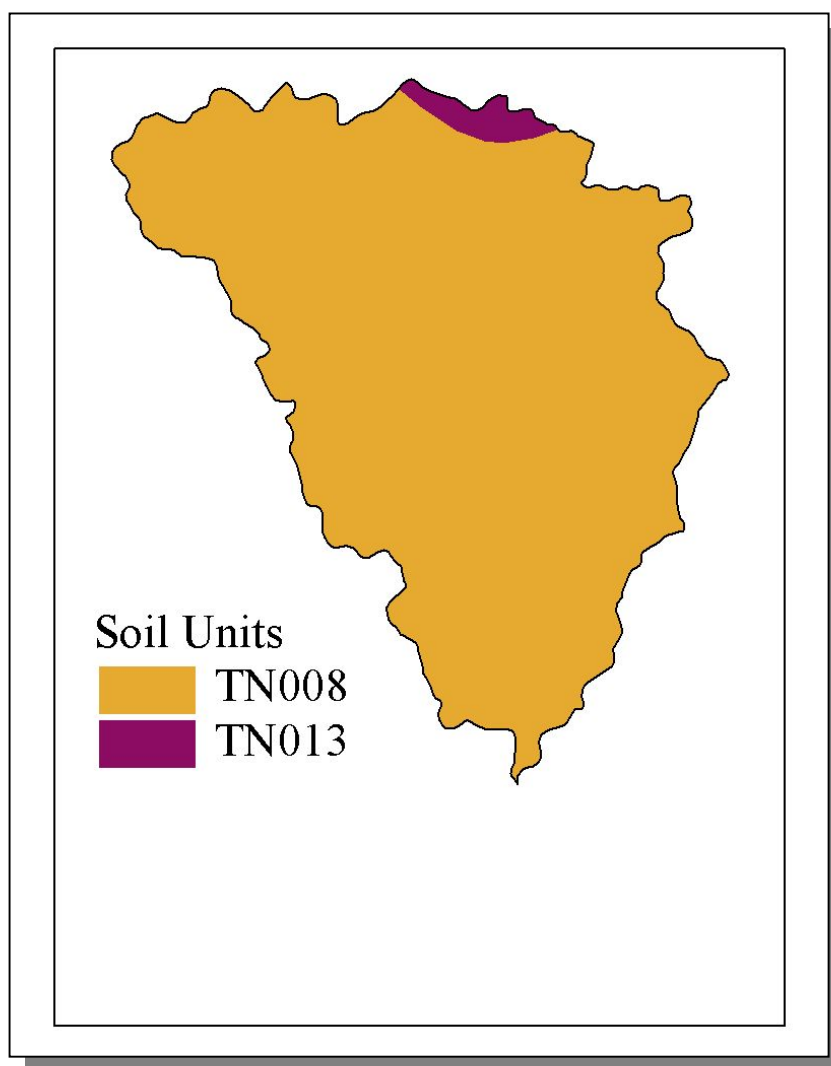


Figure 4-182. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080411.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN013	72.00	C	1.30	5.44	Silty Loam	0.46

Table 4-168. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080411. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Haywood	19,437	19,709	19,797	2.71	526	534	536	1.9
Tipton	37,568	45,986	51,271	0.66	247	302	336	36.0
Total	57,005	65,695	71,068		773	836	872	12.8

Table 4-169. Population Estimates in Subwatershed 080102080411.



Figure 4-183. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080411. More information, including site names and locations, is provided in Appendix IV.

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4.2.D.xi.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.D.xi.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS				
Beef Cow	Cattle	Milk Cow	Hogs	Sheep
124	224	<5	44	<5

Table 4-170. Summary of Livestock Count Estimates in Subwatershed 080102080411. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Fayette	13,421	25,437	965	15	25,667	124
Haywood	3,442	6,220	29	237	1,740	12
Tipton	5,422	9,796	14	334	251	86

Table 4-171. Summary of Livestock Count Estimates in Fayette, Haywood, and Tipton Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Fayette	152.0	152.0	1.1	3.3
Haywood	71.2	71.2	1.7	6.4
Tipton	50.9	50.9	1.0	5.6

Table 4-172. Forest Acreage and Annual Removal Rates (1987-1994) in Fayette, Haywood, and Tipton Counties.

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CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.72
Grass (Hayland)	3.43
Legumes, Grass (Hayland)	0.22
Legumes (Hayland)	0.54
Grass, Forbs, Legumes (Mixed Pasture)	0.42
Corn (Row Crops)	7.48
Cotton (Row Crops)	13.17
Sorghum (Row Crops)	4.02
Soybeans (Row Crops)	9.01
Wheat (Close-Grown Cropland)	2.75
All Other Close-Grown Cropland	3.08
Other Vegetable and Truck Crops	7.04
Fruit (Horticultural)	0.76
Other Cropland not Planted	0.75
Conservation Reserve Program Lands	0.93
Other Land in Farms	0.16
Farmsteads and Ranch Headquarters	0.62

Table 4-173. Annual Estimated Total Soil Loss in Subwatershed 080102080411.

4.2.D.xii. 080102080412 (Cypress Creek).

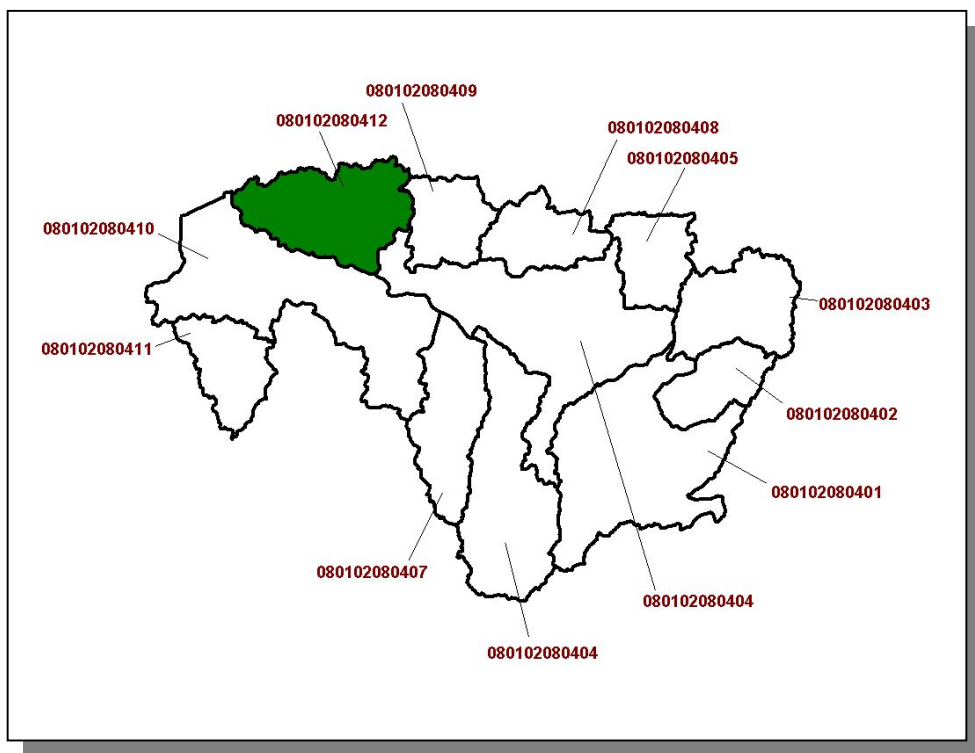


Figure 4-184. Location of Subwatershed 080102080412. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

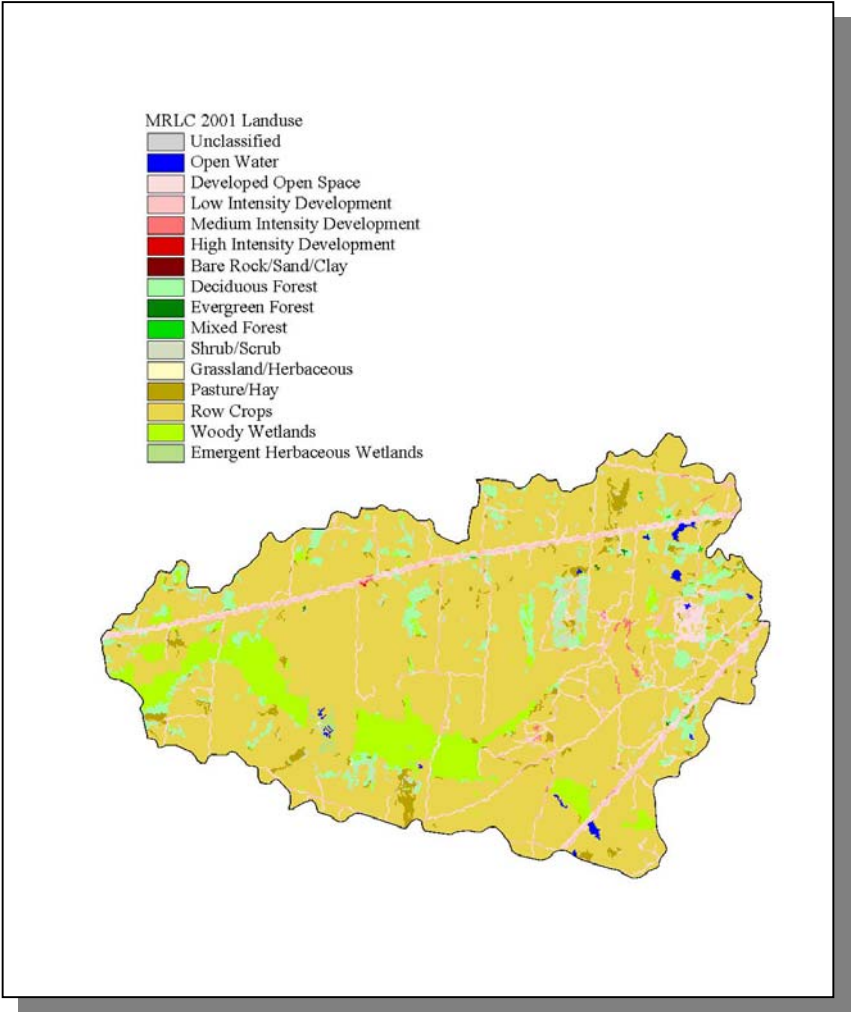


Figure 4-185. Illustration of Land Use Distribution in Subwatershed 080102080412.

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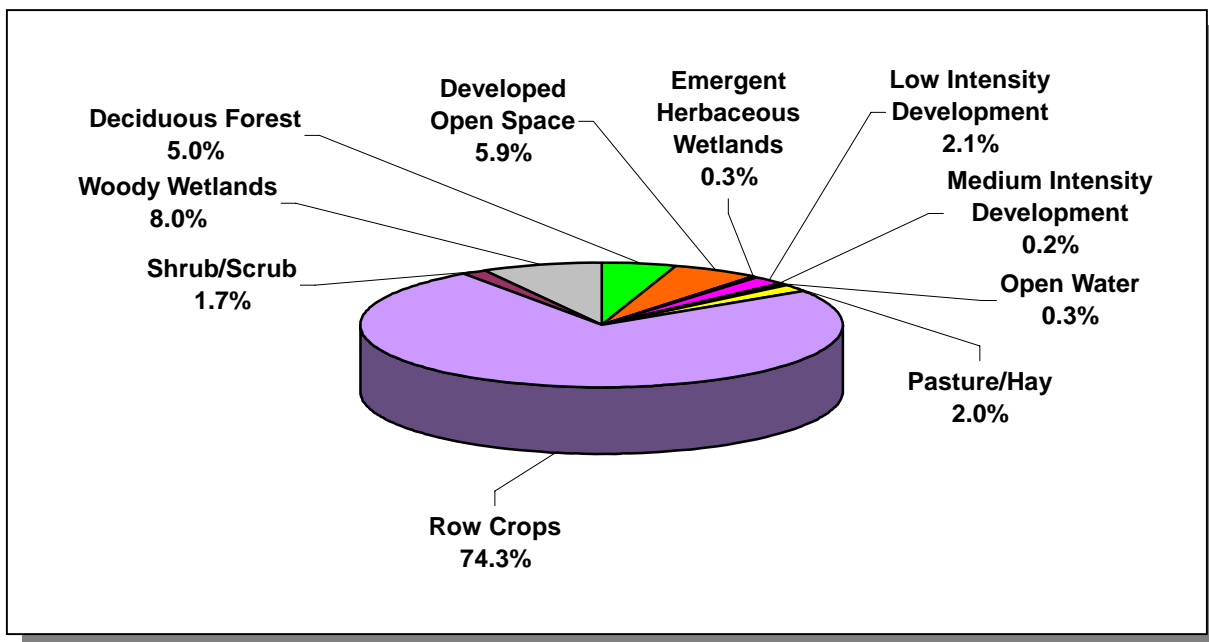


Figure 4-186. Land Use Distribution in Subwatershed 080102080412. More information is provided in Appendix IV.

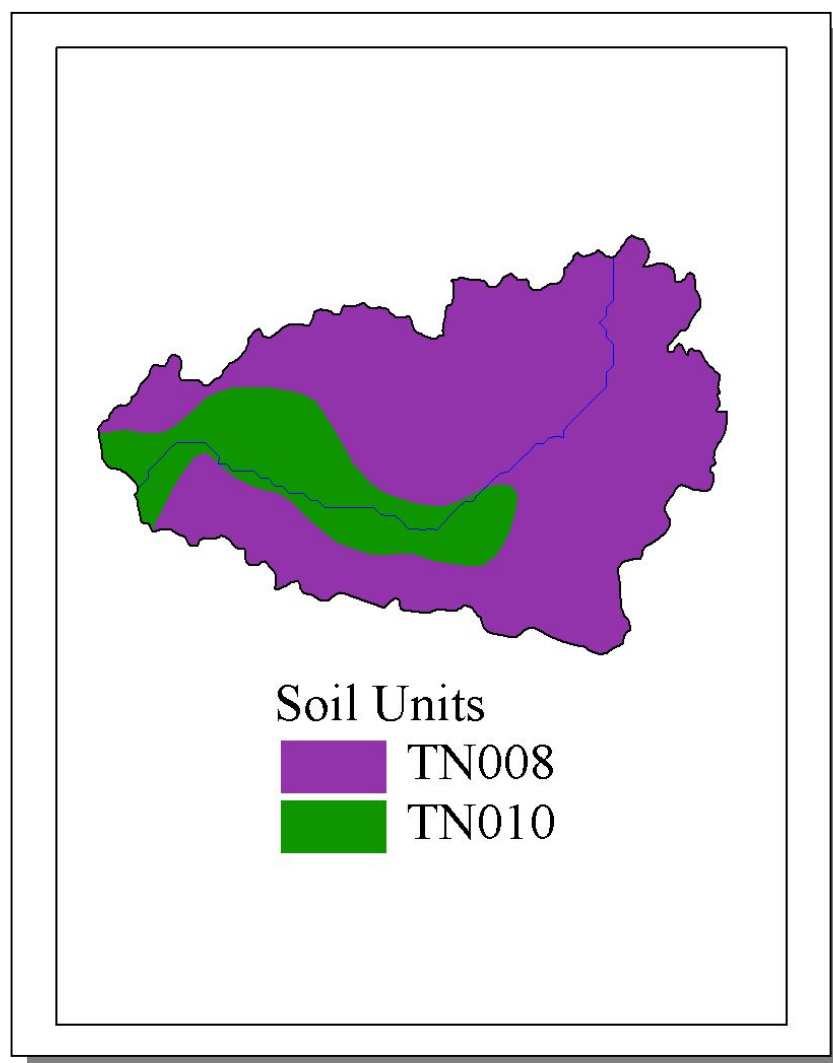


Figure 4-187. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080412.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44

Table 4-174. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080412. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Haywood	19,437	19,709	19,797	6.14	1,194	1,211	1,216	1.8

Table 4-175. Population Estimates in Subwatershed 080102080412.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Brownsville	Haywood	10,019	3,848	3,761	64	23

Table 4-176. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080412.

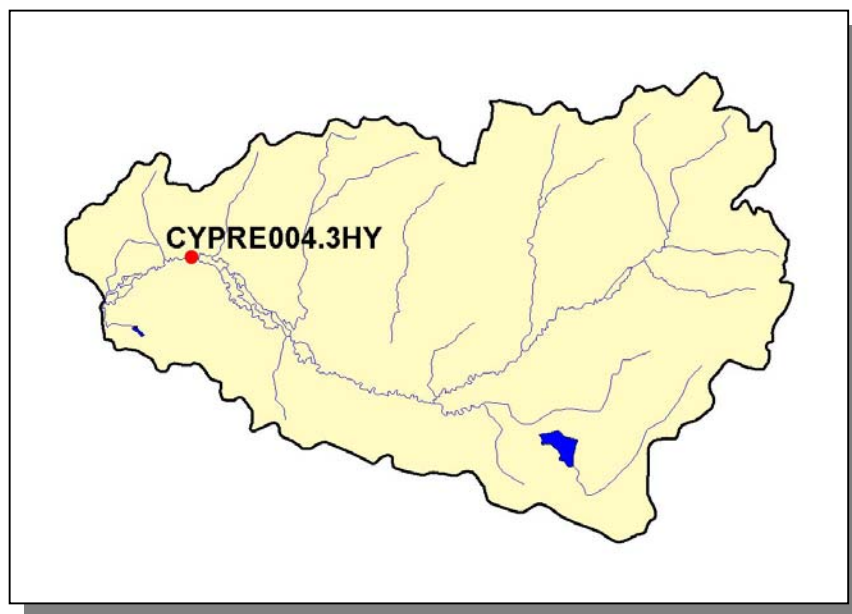


Figure 4-188. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080412. More information, including site names and locations, is provided in Appendix IV.

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4.2.D.xii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.D.xii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS				
Beef Cow	Cattle	Milk Cow	Hogs	Sheep
175	316	<5	88	<5

Table 4-177. Summary of Livestock Count Estimates in Subwatershed 080102080412. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Haywood	3,442	6,220	29	237	1,740	12

Table 4-178. Summary of Livestock Count Estimates in Haywood County. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Haywood	71.2	71.2	1.7	6.4

Table 4-179. Forest Acreage and Annual Removal Rates (1987-1994) in Haywood County.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.70
Grass (Hayland)	3.69
Grass, Forbs, Legumes (Mixed Pasture)	0.30
Corn (Row Crops)	7.47
Cotton (Row Crops)	12.50
Sorghum (Row Crops)	4.02
Soybeans (Row Crops)	7.10
All Other Close-Grown Cropland	3.08
Fruit (Horticultural)	0.76
Other Vegetable and Truck Crops	4.20
Other Cropland not Planted	0.85
Conservation Reserve Program Lands	0.91
Other Land in Farms	0.16
Farmsteads and Ranch Headquarters	0.61

Table 4-180. Annual Estimated Total Soil Loss in Subwatershed 080102080412.